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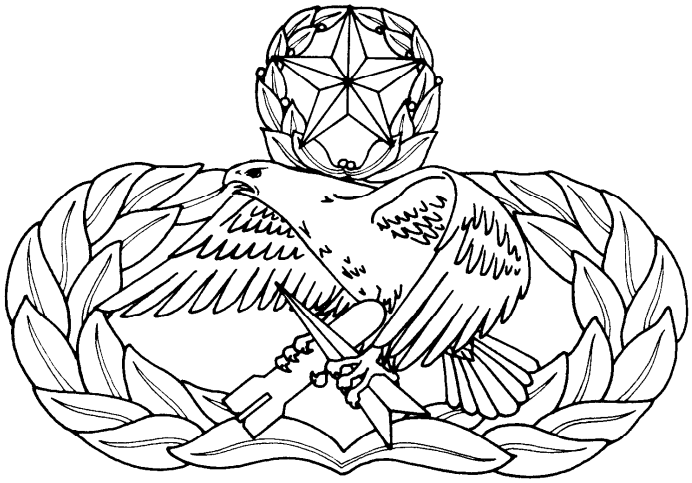
CFETP 2A3X3
Parts I and II
1 June 2010

AFSC 2A3X3
TACTICAL AIRCRAFT MAINTENANCE SPECIALTY



CAREER FIELD EDUCATION AND TRAINING PLAN

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CAREER FIELD EDUCATION AND TRAINING PLAN
FIGHTER MAINTENANCE SPECIALTY CREW CHIEF
AFSC 2A3X3

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CAREER FIELD EDUCATION AND TRAINING PLAN
TACTICAL AIRCRAFT MAINTENANCE SPECIALTY CREW CHIEF
AFSC 2A3X3A/B/H/J/K

PART I

PREFACE

1. Career Field Education and Training Plan (CFETP). This CFETP is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for 2A3X3, Tactical Aircraft Maintenance Specialty. The CFETP will provide personnel a clear career path to success and instills rigor in all aspects of career field training. This CFETP supersedes 2A3X3 CFETP, 1 February 2007. Information is available at AF/A4LF web page:
https://www.my.af.mil/afknprod/community/views/home.aspx?Filter=OO-LG-AF-35

NOTE: Civilians occupying associated positions will use Part II to support duty position qualification training.

2. CFETP Parts. The CFETP consists of two parts. Supervisors will use both parts to plan, manage, and control training. Using guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate point in their career. This plan will enable us to train today's work force for tomorrow's jobs.

2.1. Part I provides information necessary for overall management of the specialty. Section A explains how everyone will use the plan. Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path. Section C associates each level with specialty qualifications (knowledge, education, training, and other). Section D indicates resource constraints for to accomplishing this plan, such as funds, manpower, equipment, and facilities. Section E identifies transition training guide requirements for SSgt through MSgt.

2.2. Part II includes the following: Section A contains the course objective list and training standards supervisors will use to determine if airmen have satisfied training requirements. Section B identifies available support materials, such as Qualification Training Package (QTP), which may be developed to support proficiency training. Section C identifies a training course index that supervisors can use to determine if resources are available to support training. Included here are both mandatory and optional courses. Section D identifies MAJCOM unique training requirements supervisors can use to determine additional training required for the associated qualification needs. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan. Section E identifies the Specialty Training Standard (STS) and includes duties, tasks, technical references to support training, Air Education and Training Command (AETC) conducted training, wartime course/core task, and correspondence course requirements.

ABBREVIATIONS/TERMS EXPLAINED

Advanced Training. Formal course, which provides individuals who are qualified in their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of an AFS.

Air Force Job Qualification Standard (AFJQS). A comprehensive task list that describes a particular job type or duty position. Supervisors use the AFJQS to document task qualifications. The AFJQS tasks are common to all persons serving in the described duty position.

Bridge Course. A formal or informal course, which allows the individual to expand his/her knowledge in another area of expertise.

Career Field Education and Training Plan (CFETP). A CFETP is a comprehensive, multipurpose document covering the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, eliminate duplication, and ensure this training is budget defensible.

Certification. A formal indication of an individual's ability to perform a task to required standards.

Certification Official – A person authorized by appropriate commander to determine an individual's ability to perform a task to required standards.

Continuation Training. This is additional training that exceeds minimum upgrade requirements and has an emphasis on present or future duty assignments.

Core Task. Tasks that the Air Force Career Field Manager (AFCFM) identifies as minimum qualification requirements within an Air Force Specialty. Only a percentage of critical tasks for each system are listed as mandatory core tasks. This gives units needed flexibility to manage their workforce training. Core tasks identified with */R are optional for ANG and AFRC.

Course Training Standard (CTS). A formal course document that identifies in board terms the training members will receive in a specific course.

Enlisted Specialty Training (EST). A mix of formal AETC training and On-The-Job (OJT) training designed to qualify and upgrade Airmen in each skill level of a specialty.

Exportable Training. Additional training via computer assisted, paper text, interactive video or other necessary means to supplement training.

Go/No Go Level. In OJT, the stage at which an individual has gained enough skill, knowledge and experience to either be qualified to perform an identified task without assistance or cannot perform the task without assistance.

Field Technical Training (Type 4). Special or regular on-site training conducted by a Training Detachment (TD) or by a Mobile Training Team (MTT).

Field Training Detachment (FTD). An AETC detachment that provides maintenance oriented technical training, at an operational location, on specific systems including their aerospace ground equipment or in new equipment techniques and procedures. A TD qualifies personnel to maintain proficiency, increase skill and knowledge, acquaint personnel with specific systems and keep personnel aware of changing concepts and requirements.

Initial Skills Training. A formal school course that results in the award of a 3-skill level AFSC.

Instructional System Development (ISD). A deliberate and orderly process for developing, validating, and reviewing instructional programs that ensures personnel are taught the knowledge and skills essential for successful job performance.

Maintenance Information System (MIS). Systems and applications that support and enable maintenance business processes. Used to document maintenance actions. Provides maintenance supervisors with products to evaluate organizational effectiveness and aid in decision-making processes at all levels.

Maintenance Supply Liaison (MSL). Monitors overall maintenance and supply interface, resolves supply support problems, and coordinates supply-related training needs.

Master Task Listing (MTL). Document maintained within the workcenter that identifies all tasks performed in a workcenter. This includes core, critical position qualification and wartime tasks. This document can be automated.

Master Training Plan. A comprehensive workcenter training plan that may include MTLs, QTPs, AFJQS, CFETP, task breakdowns, commercial publications and any other document that supports training.

Mobile Training Team (MTT). Instructors, trainers, training aids and operational equipment that formal schools send to bases or operating locations used to perform formal training.

Occupational Survey Report (OSR). A detailed report showing the results of an occupational survey of tasks performed within a particular AFS.

On-the-Job Training (OJT). Hands-on, over-the-shoulder training at the duty location used to certify personnel for both skill level upgrade and duty position qualification.

Plan of Instruction (POI). An AETC course document used for course planning, organization, operation and validation. It provides course objectives, level of training provided, planned times, sequence of instruction, required resources and specifies how course objectives are measured.

Position Qualification Training. Training designed to qualify an airman in a specific position and is accomplished after upgrade training.

Proficiency Training. Additional training either in residence or exportable advanced training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade.

Qualification Training (QT). Actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skill/knowledge training required to do the job.

Qualification Training Package (QTP). An instructional course designed for use at the unit to qualify or aid qualification in a duty position or program or on a piece of equipment. It may be printed, computer based, or in other audiovisual media.

Resource Constraints. Resource deficiencies such as money, facilities, time, manpower, or equipment that preclude desired training from being accomplished.

Specialty Training Standard (STS). An Air Force document that is published as an attachment to the appropriate CFETP that describes an Air Force Specialty in terms of tasks and knowledge an airman may be expected to perform or to know on the job. It serves as a contract between AETC and the functional user to show which of the overall training requirements for an AFSC are taught in formal schools, Career Development Courses (CDC), and exportable courses.

Supplemental Training. Formal, standardized training within an AFS that is in addition to required initial skills training and skill level upgrade training. It may support new/newly assigned equipment, methods, and/or technology.

Task Certifier. See Certification Official

Training Setting. The type of forum in which training is provided (formal resident school, on-the-job, field training, mobile training team, self-study, etc.).

Upgrade Training (UGT). A mixture of mandatory courses, task qualification, QTPs, and CDCs required for award of the 3-, 5-, 7-, or 9-skill levels.

Utilization and Training Workshop (U&TW). A forum that is convened and chaired on a recurring basis by the AF Career Field Manager (AFCFM), designed to review the appropriate CFETP and its attachments. The purpose is to ensure currency, accuracy and completeness of content, to include specific formal career ladder training requirements. Workshops are co-chaired by AETC Training Pipeline Manager and include MAJCOM Air Force Specialty Code (AFSC) Functional Managers, AETC training personnel and Subject Matter Experts (SMEs).

SECTION A - GENERAL INFORMATION

1. Purpose of the CFETP. This CFETP provides the information necessary for Air Force Career Field Manager (AFCFM), MAJCOM functional managers (MFMs), commanders, training managers, supervisors and trainers to plan, develop, manage and conduct an effective career field training program. This plan outlines the training that individuals in AFSC 2A3X3A/B/H/J/K should receive in order to develop and progress throughout their career. This CFETP identifies initial skill, upgrade, qualification, advanced and proficiency training. Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. This training is conducted at various locations by AETC. Upgrade training identifies the mandatory courses, task qualification requirements and correspondence course completion requirements for award of the 3-, 5-, 7- and 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills/knowledge required to do the job. Advanced training is formal specialty training used for selected airmen. Proficiency training is additional training, either in-residence or exportable advanced training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes, including:

1.1. Serves as a management tool to plan, manage, conduct, and evaluate a career field-training program. Also, it is used to help supervisors identify training at the appropriate point in an individual's career.

1.2. Identifies tasks and knowledge training requirements for each skill level in the specialty and recommends education/training throughout each phase of an individual's career.

1.3. Lists training courses that are available in the specialty and identifies sources of training and the training delivery method.

1.4. Identifies major resource constraints which impact full implementation of the desired career field training process.

2. Use of the CFETP. This plan will be used by MFMs and supervisors at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.

2.1. AETC training personnel will develop or revise formal resident, non-resident, TD, and exportable training based upon requirements established by the users and documented in Part II of the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining the resources needed to provide the identified training.

2.2. MFMs will ensure their training programs complement the CFETP mandatory initial, upgrade and proficiency requirements. OJT, resident training, contract training, or exportable courses can satisfy these identified requirements. MAJCOM developed training, to support this AFSC, must be identified for inclusion in this plan and must not duplicate other available training resources.

2.3. Each individual will complete the mandatory training requirements specified in this plan. The list of courses in Part II will be used as a reference to support training.

3. Coordination and Approval of the CFETP. The AFCFM is the approval authority for the CFETP The AETC training manager for AFSC 2A3X3A/B/H/J/K will initiate an annual review of this document by AETC and MFM to ensure currency and accuracy. The using MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. Using the list of courses in Part II, they will eliminate duplicate training.

Section B - CAREER PROGRESSION INFORMATION

1. Specialty Description:

1.1. Specialty Summary. Maintains tactical aircraft, support equipment, forms and records. Performs and supervises flight chief, expediter, crew chief, aero repair, and maintenance support functions. Related DoD Occupational Subgroup: 119800.

1.2. Duties and Responsibilities. Refer to Enlisted Classification Directory (ECD).

1.2.1. Services aircraft. Performs end-of-runway, postflight, preflight, thruflight, and phase inspections. Advises on problems maintaining, servicing, and inspecting aircraft and related aerospace equipment. Uses technical data to diagnose and solve maintenance problems on aircraft systems. Interprets and advises on maintenance procedures and policies to repair aircraft and related equipment.

1.2.2. Troubleshoots and maintains aircraft structures, systems, components, and related equipment. Removes and installs aircraft components. Conducts functional tests of repaired components and systems. Adjusts, aligns, and rigs aircraft systems. Supervises and performs aircraft jacking, lifting, and towing operations.

1.2.3. Inspects aircraft structures, systems, components, and related systems. Supervises and performs aircraft and component inspections. Interprets inspection findings and determines adequacy of corrective actions. Inspects and checks components for clearances, tolerances, proper installation, and operation. Inspects and operates powered and nonpowered aerospace ground equipment. Inspects and identifies aircraft corrosion for prevention and repair. Reviews maintenance forms, aircraft records, automated maintenance data systems, and historical reports to ensure complete documentation. Inventories and maintains aircraft equipment.

1.2.4. Performs flight chief, production superintendent, expediter, crew chief, aero repair, and maintenance support functions. Coordinates maintenance plans and schedules to meet operational commitments. Supervises and assists in launching and recovering aircraft. Reviews maintenance data collection summaries to determine trends and production effectiveness. Performs crash recovery duties. Performs staff and supervisory management functions.

2. Career Skill Progression. Adequate training and timely progression from the apprentice to the superintendent skill level play an important role in the Air Force's ability to accomplish its mission. It is essential that everyone involved in training do their part to plan, develop, manage and conduct an

effective training program. The guidance provided in this part of the CFETP will ensure each individual receives viable training at appropriate points in their career. Use table 5.1 *Enlisted Career Path* in conjunction with information below to manage career field skill progression.

2.1. Apprentice Level (3). Upon completion of initial skills training, a trainee will work with a trainer to enhance their knowledge and skills. They will utilize the CDC, task qualification training, and available exportable courses for continued advancement. Once task certified, a trainee may perform the task unsupervised. The 1- and 3-skill levels are assigned shred identifiers as shown below for initial-skills course scheduling purposes. The shred is removed at the 5-skill level, at which point airframe qualifications are identified by Special Equipment Identifier (SEI) codes. Shred identifiers and SEI codes are provided in the ECD.

2.2. Journeyman Level (5). Individuals must complete formal 5-level OJT training. This training involves completion of the 2A353 CDC, as well as completion of all identified core task qualification training requirements. Available proficiency/supplementary training should be completed as early as duty permits. Five-levels may be assigned job positions such as quality assurance and various staff positions. Five-levels will be considered for appointment as unit trainers. Individuals will use their CDCs to prepare for testing under the Weighted Airman Promotion System (WAPS). They should continue their education toward an associate's or higher educational degree from the Community College of the Air Force (CCAF) or other accredited institution.

2.3. Craftsman Level (7). Individuals must complete formal 7-level OJT. This training involves completion of CDC 2AX7X and CDC 2A373 (when available), as well as completion of all identified core task qualification training requirements. Available proficiency/supplementary training should be completed as early as duty permits. A craftsman can expect to fill various supervisory and management positions such as shift leader, element NCOIC, flight/section chief, and task certifier. They can also be assigned to work in staff positions.

2.4. Superintendent Level (9). Individuals promoted to SMSgt must attend the Senior Noncommissioned Officer Academy. Additional training in the areas of budget, manpower, resources, and personnel management should be pursued through continuing education. Individuals promoted to CMSgt must attend the Chief Master Sergeant Leadership Course (CLC) in residence. Completion of college courses in the pursuit of a higher-level educational degree is also recommended.

3. **Training Decisions.** The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the Tactical Aircraft Maintenance, 2A3X3, career field. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy must be apparent and affordable training to reduce duplication of training and eliminate a disjointed approach to training. The following training decisions were made by MAJCOM Functional Managers and Subject Matter Experts (SMEs) at the career field Utilization and Training Workshop (U&TW) held January 2009 at Sheppard AFB.

3.1. Initial Skills. No significant changes were made to the initial skills courses during the U&TW. AETC/A5T agreed to provide 362 TRS/TRR F-35 training requirements to meet minimum entry criteria into the F-35 Integrated Training Center and a proposed STS for F-35 crew chiefs. Additionally, ACC agreed to provide the 362 TRS/TRR an STS for UAS (MQ-1, RQ-4, and MQ-9) aircraft.

3.2. Five-Level Upgrade Requirements. No significant changes were made to 5-level upgrade requirements. A number of core task recommendations were approved during the U&TW.

3.3. Seven-Level Upgrade Requirements. The U&TW agreed to re-implement 7-level CDCs. This initiative was brought to the U&TW by the AFCFM in response to the elimination of the 7-level schools. Additionally, changes to core task requirements were also approved.

3.4. Proficiency/Continuation Training. This training is provided by local unit training offices, as well as by AETC field training detachments (FTDs). It expands minimum upgrade training requirements with emphasis on present and future duty positions. To define and standardize this training, MAJCOMs develop a continuation training program that ensures individuals receive the necessary training at the appropriate point in their career. Both mandatory and optional training requirements are included. Refer to Part II, Section D, (*Training Course Index),* of this CFETP for a listing of available AETC supplementary (type 4) training courses.

4. **Higher Education and Advanced Certification Opportunities.** Higher education and advanced certification is a personal choice that is encouraged for the professional development of the entire Enlisted Force. Listed below are some current opportunities:

4.1. Community College of the Air Force (CCAF) Academic Programs. Enrollment in CCAF occurs upon completion of Basic Military Training (BMT). CCAF provides the opportunity to obtain an Associate in Applied Sciences Degree.

4.1.1. Degree Requirements: Prior to completing an associate degree, the 5-level must be awarded and the following requirements must be met:

	Semester Hours
Technical Education	24
Leadership, Management, and Military Studies	6
Physical Education	4
General Education	15
Program Elective	15
Technical Education; Leadership, Management, and Military Studies; or General Education	
Total	64

4.1.2. Technical Education (24 Semester Hours). A minimum of 12 semester hours of Technical Core subjects and courses must be applied and the remaining semester hours applied from Technical Core or Technical Elective subjects and courses. Completion of the initial skills resident training at Sheppard AFB satisfies all or part of the technical education requirement.

4.1.3. Leadership, Management, and Military Studies (6 Semester Hours). Professional military education and/or civilian management courses.

4.1.4. Physical Education (4 Semester Hours). This requirement is satisfied by completion of Basic Military Training.

4.1.5. General Education (15 Semester Hours). Applicable courses must meet the criteria for application of courses to the General Education Requirements (GER) and be in agreement with the definitions of applicable General Education subjects/courses as provided in the *CCAF General Catalog.*

4.1.6. Program Elective (15 Semester Hours). Satisfied with applicable Technical Education; Leadership, Management, and Military Studies; or General Education subjects and courses, including natural science courses meeting GER application criteria. Six semester hours of CCAF degree-applicable technical credit otherwise not applicable to this program may be applied. See the *CCAF General Catalog* for details regarding the Associates of Applied Science for this specialty.

4.2. AETC Instructor. Individuals desiring to become an AETC Instructor should be actively pursuing an associate's degree. A degreed faculty is necessary for to maintain accreditation through the Southern Association of Colleges and Schools.

4.3. Occupational Instructor Certification. Upon completion of instructor qualification training, consisting of the instructor methods course and supervised practice teaching, CCAF instructors who possess an associates degree or higher may be nominated by their school commander and commandant for certification as an occupational instructor.

4.4. FAA Airframe and Power plant (A&P) Certification. Air Force aircraft maintenance technicians are eligible to pursue FAA A&P certification based on training and experience in accordance with Federal Aviation Regulation Part 65. The DoD established the Joint Service Aviation Maintenance Technician Certification Council (JSAMTCC) to standardize the eligibility and certification process for the military and provide direction and resources necessary to fill the gaps within military training and experience. Completing three A&P Specialty Training Courses, seven Computer Based Training modules, and OJT requirements contained in a Qualification Training Package (QTP) will fill training and experience gaps. CCAF manages the AF A&P Certification Program. Technicians may enroll in the program and begin training once they have been awarded their 5-skill level. To learn more and enroll in the program, visit CCAF's website at https://augateway.maxwell.af.mil/ccaf/certifications/a_and_p/. The CCAF currently awards 30 Semester hours for the FAA A&P certification and 18 Semester hours for the FAA Airframe or Power plant certification.

4.5. Other Certification Programs. CCAF is actively pursuing other licensure and certification opportunities related to specific career fields. To learn more about other certification opportunities visit CCAF's website at https://augateway.maxwell.af.mil/ccaf/certifications/programs/.

5. Career Field Path:

NOTE: For the latest information go to MyEDP at:
https://rso.my.af.mil/afvecprod/myedp/Users/Home.aspx

5.1. Enlisted Career Path. Table 5.1 identifies career milestones for the 2A3X3 Air Force Specialty.

Table 5.1 Enlisted Career Path

Education and Training Requirements	Grade Requirements			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
Basic Military Training School				
Apprentice Technical School (3-Skill Level)	Amn A1C	6 months 16 months		
Upgrade To Journeyman (5-Skill Level) - Possession of 2A333X AFSC - Minimum 15 months on-the-job training (9 months for retrainees) - Complete all 5-level core tasks on one MDS. - Complete appropriate CDC if/when available.	Amn A1C SrA	6 months 16 months 3 years	28 months	12 Years
Airman Leadership School (ALS) - Must be a SrA with 48 months time in service or be a SSgt Selectee. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).				
Trainer - Qualified and certified to perform the task to be trained. - Must attend formal OJT Trainer Course	**Certifier** - Be at least a 5-skill level SSgt; and qualified and certified to perform the task being certified - Attend formal OJT Trainer Course - Be a person other than the trainer except for AFSCs, duty positions, units and/or work centers with specialized training standardization and certification requirements.			
Upgrade To Craftsman (7-Skill Level) - Possession of 2A353 AFSC - Minimum rank of SSgt. - Minimum 12 months on-the-job training (6 months for retrainees) - Complete all 5- and 7-level core tasks on one mission design aircraft. - Complete appropriate CDCs if/when available.	SSgt	7.5 years	3 years	20 Years
Noncommissioned Officer Academy (NCOA) - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt MSgt	12.5 years 16 years	5 years 8 years	24 Years 26 Years
USAF Senior NCO Academy (SNCOA) - Must be a SMSgt or SMSgt Selectee. - Resident graduation is a prerequisite for CMSgt sew-on (Active Duty Only). - A percentage of top non-select (for promotion to E-8) MSgts attend the SNCOA each year.	SMSgt	19.2 years	11 years	28 Years
Upgrade To Superintendent (9-Skill Level) - Possession of 2A37X AFSC - Minimum rank of SMSgt.	CMSgt	21.5 years	14 years	30 Years

5.2. Base/Unit Education and Training Manager Checklist:

Table 5.2. Base/Unit Education and Training Manager Checklist		
Requirements for Upgrade to:	**Y**	**N**
Journeyman - Does apprentice possess 2A333X AFSC? - Has apprentice completed mandatory CDCs, if available? - Has apprentice completed all appropriate 5-level core tasks identified in the CFETP? - Has apprentice completed minimum 15 months UGT (9 months for retrainees) for award of 5-skill level? - Has apprentice met mandatory requirements listed in specialty description, ECD and CFETP? - Has apprentice been recommended by their supervisor?		
Craftsman - Does Journeyman possess 2A353 AFSC? - Has journeyman achieved the rank of SSgt? - Has journeyman completed mandatory CDCs? - Has journeyman completed all core tasks identified in the CFETP? - Has journeyman completed minimum 12 months UGT (6 months for retrainees) for award of 7-skill level?		

TO: Squadron/CC

FROM: Squadron Training Manager

SUBJECT: Upgrade Trainee

Trainee is prepared to be upgraded and has completed all mandatory training requirements.

_____ _____

Training Manager Supervisor

SECTION C – SKILL-LEVEL TRAINING REQUIREMENTS

1. Purpose. Skill level training requirements in this career field are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in broad, general terms and establishes the mandatory requirements for entry, award, and retention of each skill level. The specific tasks and knowledge training requirements are identified in Part II, Sections A, B, and F of this CFETP.

2. Specialty Qualification Requirements.

2.1. Apprentice Level Training (3-Level):

2.1.1. Specialty Qualification. This information is derived from the official specialty description in ECD.

2.1.1.1. Knowledge. Knowledge is mandatory of: supply procedures; electrical theory; mechanical principles applying to aircraft; flight theory; hydraulic principles; concepts and application of maintenance directives; maintenance data reporting; technical order use; and proper handling, use, and disposal of hazardous waste and materials.

2.1.1.2. Education. For entry into this specialty, completion of high school is desirable, with courses in mechanics, physics, hydraulics, and electronics.

2.1.1.3. Training. For award of AFSC 2A333A/B/H/J/K, completion of a suffix specific basic aircraft maintenance course, as applicable is mandatory.

2.1.1.4. Experience. There is no experience necessary for entry into AFSC 2A333A/B/H/J/K.

2.1.1.5. Other. For entry into this specialty normal color vision as defined in AFI 48-123, *Medical Examination and Standards* is required.

2.1.2. Training Sources and Resources. Formal AETC initial skills courses provide the required knowledge and task proficiency training for award of the 3-skill level. Training includes fundamental/common maintenance requirements, system theory and operation, system components, component removal and installation, introduction to maintenance concepts, general flight line maintenance practices, use of technical publications, maintenance documentation, and AGE/SE equipment familiarization and use.

2.1.3. Implementation. Upon graduation from Basic Military Training, Airmen are assigned to the 82d Training Wing, 362nd Training Squadron, to attend formal technical training appropriate to his or her end assignment and type aircraft. This training begins with fundamental maintenance training common to all aircraft maintenance apprentices within the specialty. This generic phase of training is followed by aircraft-specific maintenance training. These task-oriented follow-on courses are/will be conducted at the locations listed below. Successful completion of formal technical training (listed below) results in the award of the 3-skill level.

AFSC	Aircraft	Course Number	Location
2A333A	F-15	J3AQR2A333A025A	Sheppard AFB, TX
2A333A	F-15	J3ABP2A333A025A	Tyndall AFB, FL
2A333B	F-16	J3AQR2A333B026A	Sheppard AFB, TX
2A333B	F-16	J3ABP2A333B026A	Luke AFB, AZ
2A333H	U-2	J3AQR2A333H041A	Sheppard AFB, TX
2A333H	U-2	J3ABP2A333H041A	Beale AFB, CA
2A333E	A-10	J3AQR2A333E000A	Sheppard AFB, TX
2A333E	A-10	J3ABP2A333E000A	Davis-Monthan AFB, AZ
2A333K	F-22A	J3AQR2A333K027A	Sheppard AFB, TX
2A333K	F-22A	J3ABP2A333K027A	Tyndall AFB, FL

2.2. Journeyman Level Training (5-Level):

2.2.1. Specialty Qualification. This information is derived from the official specialty description in ECD.

2.2.1.1. Knowledge. In addition to the 3-level qualifications, a 5-level must possess the knowledge and skills necessary to maintain aircraft systems and associated systems. An individual must be task qualified on aircraft inspections, servicing, ground handling, troubleshooting, component removal/repair/installation, and system component operational checks. Journeymen perform operational checks, component repair, and use and maintenance of test and support equipment. Individuals can apply the proper handling, use, and disposal of hazardous waste and materials IAW federal and local environmental standards.

2.2.1.2. Education: There are no formal education requirements for upgrade to AFSC 2A353. However, progress toward a CCAF Associate's Degree is highly encouraged.

2.2.1.3. Training: Completion of the 2A353 Career Development Course (CDC) and completion of the core tasks specified in the STS is mandatory.

2.2.1.4. Experience. Qualification in and possession of AFSC 2A333X with appropriate shred is required. Also, experience in functions such as repairing and maintaining aircraft or related installed equipment is required.

2.2.1.5. Other. For entry into this specialty, normal color vision as defined in AFI 48-123, *Medical Examination and Standards* is required.

2.2.2. Training Sources and Resources. The 5-level (2A353) CDC provides the career knowledge training required. Qualification training and OJT will provide training and qualification on the core tasks identified in the STS. The CDC is written to build from the trainee's current knowledge base, and provides more in-depth knowledge to support OJT requirements.

2.2.3. Implementation. The units utilizing this STS, exportable courses, and CDCs perform training to the 5-level. Upgrade to the 5-level requires completion of the 2A353 CDC, completion of all 5-level core tasks as identified in the STS for one MDS, and 15 months upgrade training (9 months for retrainees).

2.2.4. Supervisor/Training Manager Input. Utilize Table 5.2 *Base/Unit Education and Training Checklist* as applicable to facilitate upgrade actions.

2.3. Craftsman Level Training (7-Level):

2.3.1. Specialty Qualification. This information is derived from the official specialty description in the ECD.

2.3.1.1. Knowledge. In addition to the 5-level qualifications, an individual must possess advanced skills and knowledge of theory, concepts, and principles of aircraft maintenance. The 7-level must be able to supervise and train personnel to maintain 2A3X3 systems. They must be able to plan, schedule, and organize maintenance to ensure effective utilization of available resources. Qualification is required on advanced repair, inspection, troubleshooting, and diagnostic techniques. Historical documentation analysis is also required for all 7-levels.

2.3.1.2. Education. There are no additional education requirements beyond those defined for the apprentice level. However, progress toward a CCAF Associate's Degree is highly encouraged.

2.3.1.3. Training. Completion of CDCs 2A373 (when available), 2AX7X, and IMDS IMI certification are mandatory for upgrade to AFSC 2A373.

2.3.1.4. Experience. Completion of all required 7-level core tasks as identified in the STS for one MDS, and qualification in and possession of AFSC 2A353. Also, experience in functions such as repairing and maintaining aircraft or related installed equipment, and powered and non-powered ground SE is required.

2.3.1.5. Other. For entry into this specialty, normal color vision as defined in AFI 48-123, *Medical Examination and Standards* is required.

2.3.2. Training Sources and Resources. Seven-level upgrade training will be completed conducted by certified trainers using AF core tasks and unit/MAJCOM specific courses. The 7-level (2A373) CDCs are written to provide advanced system and management knowledge, and enhance troubleshooting skills.

2.3.3. Supervisor/Training Manager Input. Utilize Table 5.2 *Base/Unit Education and Training Checklist* as applicable to facilitate upgrade actions.

2.3.4. Implementation. Units utilizing the STS and CDCs perform training to the 7-level. Upgrade to the 7-level requires completion of CDC 2A373 and CDC 2AX7X, completion of all core tasks as identified in the STS for one MDS, 12 months upgrade training (6 months for retrainees), and promotion to Staff Sergeant.

2.4. Superintendent Level Training (9-Level):

2.4.1. Specialty Qualification. This information is derived from official specialty description in ECD.

2.4.1.1. Knowledge. In addition to 7-level qualifications, an individual must possess advanced skills and knowledge of concepts and principles in the management of aircraft maintenance. The 9-level needs to be an effective leader with the ability to forecast, budget and manage funds. Also, they must be knowledgeable of federal and local environmental standards and ensure adherence to the proper handling and disposal of hazardous materials. Also required is the ability to evaluate maintenance, interpret and resolve technical problems, and to analyze system and component failures and inspection results.

2.4.1.2. Education. There are no additional requirements.

2.4.1.3. Training. An individual must be trained to perform duties at the 9 skill-level to include the following: advanced skills and knowledge of concepts and principles in the management of maintenance efforts on aircraft and aircraft systems; efficient management and direction of aerospace repairs to include planning and organizing resources, evaluating maintenance, interpreting and resolving technical problems, analyzing system and component failures and inspection results, determining optimum management procedures and requirements, and the management and projection of funds to support maintenance efforts.

2.4.1.4. Experience. For award of AFSC 2A390, qualification in and possession of AFSC 2A371, 2A372, or 2A373X is mandatory. Also, experience in managing, supervising, or directing functions associated with maintaining aircraft is mandatory.

2.4.1.5. Other. For entry into this specialty normal color vision as defined in AFI 48-123, *Medical Examination and Standards* is required.

2.4.2. Training Sources and Resources. No formal training is required. Qualification training and experience inherent in career specialty job performance are desired sources of training.

2.4.3. Implementation. The 9-level will be awarded after promotion to SMSgt.

SECTION D - RESOURCE CONSTRAINTS

This section of the CFETP identifies known resource constraints, which preclude optimum and desired training from being developed or conducted, including information such as cost and manpower. Narrative explanations of each resource constraint and an impact statement describing what effect each constraint has on training are included. Also included in this section are actions required, office of primary responsibility, and target completion dates. Resource constraints will be, as a minimum, reviewed and updated annually.

There are no resource constraints identified for training in this AFSC.

PART II

SECTION A – AETC COURSE OBJECTIVES

1. Introduction. Each proficiency coded STS task or knowledge item taught at the technical school is measured through the use of an objective. An objective is a written instruction for the student so he or she knows what is expected of them to successfully complete training on each task. Each objective is comprised of a condition, behavior, and standard that states what is expected of the student for each task. The condition is the setting in which the training takes place (i.e. TOs, type of equipment, etc). The behavior is the observable portion of the objective (i.e. perform an operational check). The standard is the level of performance that is measured to ensure the STS proficiency code level is attained (i.e. "with no more than two instructor assists"). AETC course objectives and associated information are published in the Plan of Instruction (POI) for each of the courses identified in Section D, below, *Training Course Index.*

2. Objective Measurement. Each objective uses letter codes(s) to identify how it is measured. All objectives using the **PC** code indicate a progress check is used to measure subject or task knowledge. **W** indicates a comprehensive written test and is used to measure the subject or task knowledge at the end of a block of instruction. **PC/W** indicates a subject or task knowledge progress check and a separate measurement of both knowledge and performance elements using a written test.

3. Objective Standard. The standard for written examinations is 70%. Standards for performance objectives are indicated in the objective and are also indicated on the individual progress check checklist. The checklist is used by the instructor to document each student's progress, on each task. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained. Students must satisfactorily complete all PCs prior to taking the written test.

4. Proficiency Level. Review column 4A of the STS to determine the proficiency level of a particular task or knowledge item. Review the course objective list to determine which STS item the objective supports. Review the proficiency code key in the STS Attachment 1 of this CFETP for an explanation of the proficiency codes. Most task performance is taught to the '2b' proficiency level which means the students can do most parts of the task, but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step-by-step procedures for doing the task. For tasks that are taught to the '3c' proficiency level, students can do all parts of the task and only require a spot check on completed work (competent). The student can also identify why and when a task must be done and why each step is needed.

SECTION B - COURSE OBJECTIVE LIST

1. Course Objectives List. A detailed list of initial skills or craftsman course objectives may be obtained by submitting a written request to 362 TRS/TRR, 613 10 Ave. Sheppard AFB TX, 76311-2520. For other courses, refer to Section C, below, *Training Course Index,* and contact the identified course OPR. Course descriptions can be found on line in the Education and Training Course Announcements (ETCA). The URL for ETCA is: https://etca.randolph.af.mil/

SECTION C - SUPPORT MATERIAL

1. Support Material. Interactive Courseware (ICW) is available from the 367 TRS/TRSS at Hill AFB Utah. To obtain more information, request a copy of the Courseware Catalog from 367 TRS, 6058 Aspen, Building 1295, Hill AFB UT 84056-5805. Their FAX number is DSN 777-0897 and their customer service number is DSN 777-0160. To request ordering information on hardware, your MAJCOM training POC (for ACC, AMC, and ANG) is the first stop. For personnel in other MAJCOMs, contact them directly and they will provide you the information required for purchasing the item through them. If you decide to purchase the system, they will FAX you the AF Form 616 to use for an example. The 367 TRSS internet site is: http://www.hill.af.mil/367TRSS/findex.htm.
The following list of support materials is not all inclusive; however, it covers the most frequently referenced areas. Support material is any training package designed to enhance the learning process at any level of training.

SECTION D - TRAINING COURSE INDEX

7. Purpose. This section of the CFETP identifies training courses available for the 2A3X3 specialty and shows how the courses are used by each MAJCOM in their career field training programs. For further information on the following courses, contact the OPR as indicated:

OPR: 362 TRS/TXC
613 10 Avenue, Suite 3
Sheppard AFB, TX 76311-2361
DSN 736-4791
Website: https://etca.randolph.af.mil/

8. Air Force In-resident Courses:

Course Number	Course Title	Location	OPR	USER	Course Length
J3AQR2A333A025A	Fighter Aircraft Maintenance Apprentice (F-15)	Sheppard AFB, TX	362 TRS	USAF	67*
J3ABP2A333A025A	Fighter Aircraft Maintenance Apprentice (F-15)	Tyndall AFB, FL	372 TRS	USAF	19
J3AQR2A333B026A	Fighter Aircraft Maintenance Apprentice (F-16)	Sheppard AFB, TX	362 TRS	USAF	73*
J3ABP2A333B026B	Fighter Aircraft Maintenance Apprentice (F-16)	Luke AFB, AZ	372 TRS	USAF	20

J3AQR2A333E000A	Fighter Aircraft Maintenance Apprentice (A-10)	Sheppard AFB, TX	362 TRS	USAF	64*
J3ABP2A333E000B	Aircraft Maintenance Apprentice (A-10)	Davis Monthan, AZ	372 TRS	USAF	23
J3AQR2A333H041A	Fighter Crew Chief Commons	Sheppard AFB, TX	362 TRS	USAF	15
J3ABP2A333H041A	Fighter Aircraft Maintenance Apprentice (U-2)	Sheppard AFB, TX	372 TRS	USAF	50
J3AQR2A333K027A	Fighter Aircraft Maintenance Apprentice (F-22A)	Sheppard AFB, TX	362 TRS	USAF	75*
J3ABP2A333K027A	Fighter Aircraft Maintenance Apprentice (F-22A)	Tyndall AFB, FL	372 TRS	USAF	26

* - Includes 15 day J3AQR2A333H041A Fighter Commons Course
Fighter commons course currently carries U-2 course number. However, all 2A333 personnel must attend the fighter commons course.

9. Air Force Institute for Advanced Distributed Learning (AU/A4L) Courses (website: http://www.au.af.mil/au/afiadl/

OPRs: 362 TRS/TRR
613 10th Avenue
Sheppard AFB, TX 76311-2520
DSN 736-1825

372 TRS/TRR
912 Avenue I, Suite 3
Sheppard AFB, TX 76311-2852
DSN 736-4788

Course Number	Course Title	OPR	User
CDC 2A353 (5 Volumes)	Tactical Aircraft Maintenance Journeyman	362 TRS	USAF
CDC 2A373 (In development)	Tactical Aircraft Maintenance Craftsman	362 TRS	USAF
CDC 2AX7X (2 Volumes)	Aerospace Maintenance Craftsman	362 TRS	USAF

10. Exportable Courses:

OPRs: 367 TRS
6058 Aspen Ave
Hill AFB, UT 84056-5805
DSN 777-7830/8741

362 TRS/TRR
613 10th Avenue
Sheppard AFB, TX 76311-2852
DSN 736-5335

The 367 TRS course catalog can be ordered from the above DSN or website: www.hill.af.mil/367trss/findex/htm

Course Number	Course Title/Media	OPR	User
J6ANW2AXXX 0W1A	Weight and Balance (General) - Web Based Training (WBT)	362 TRS	USAF
J6AZWXXXXX 0G1A	General Technical Order System - WBT	362 TRS	USAF
J6AZWXXXXX 0A1A	AF Technical Order System (Advanced) - WBT	362 TRS	USAF
J6AZW2AX5X 0F1A	IMDS for Flightline - WBT	362 TRS	USAF
J6AZW2AX5X 0B1A	IMDS for Backshop - WBT	362 TRS	USAF
J6AZW2AX5X 0S1A	IMDS for Supervisors - WBT	362 TRS	USAF

SECTION E - MAJCOM UNIQUE REQUIREMENTS

For MAJCOM unique requirements, refer to the MAJCOM mandatory course lists.

CAF MCL https://afkm.wpafb.af.mil/ASPs/docman/DOCMain.asp?Tab=0&FolderID=OO-TE-AC-42-2&Filter=OO-TE-AC-42

MAF MCL https://afkm.wpafb.af.mil/ASPs/docman/DOCMain.asp?Tab=0&FolderID=OO-ED-AM-91-2&Filter=OO-ED-AM-91

Note: Access to MAF MCL requires membership in the AMC Maintenance Training CoP.

SECTION F—SPECIALTY TRAINING STANDARD

1. Implementation. These Specialty Training Standard (STS) attachments will be used for technical training provided by AETC for classes beginning after 1 February 2010.

2. Purpose. As prescribed in AFI 36-2201, this STS:

2.1. *Column 1 (Task, Knowledge, and Technical Reference)* lists the most common tasks, knowledge, and technical references (TR) necessary for airmen to perform duties in the 3-, 5-, and 7-skill level. An asterisk (*) before the number indicates a wartime course objective.

2.2. *Column 2 (Core Tasks)* identifies, by asterisk (*), specialty-wide training requirements. Core tasks identified with an *R are optional for the AFRC and the ANG. As a minimum, certification on all AFCFM directed core tasks applicable to the specialty must be completed for skill level upgrade.
Exemptions:

2.2.1. Core tasks that are not applicable to base assigned aircraft or equipment are not required for upgrade (units are not required to send personnel TDY for core task training).

2.2.2. For units with more than one mission-design-series (MDS) aircraft, upgrade trainees need only complete core tasks on a single MDS. MFMs, unit commanders, and/or supervisors may require trainees to complete core task training on additional MDS aircraft, if desired. If some of these core tasks involve training in another unit on base, trainees must still complete all core tasks relevant to at least one MDS aircraft. All units are bound by the requirements in this CFETP and will accommodate core task trainees from other units.

2.2.3. Units that use the GO81 maintenance data collection system do not need to complete Integrated Maintenance Data System (IMDS) Computer Based Training (CBT) core tasks. Units that use IMDS do not need to complete GO81 CBT core task. This requirement will remain in effect until GO81 and IMDS are subsumed into Expeditionary Combat Support System (ECSS).

2.3. *Column 3 (Certification for OJT)* provides certification for OJT and is used to record completion of tasks and knowledge training requirements. Use IMDS/GO81 or Training Business Area (TBA) to document technician qualifications, if available. Task certification must show a certification or completed date.

2.4. Column 4 (Proficiency Codes) shows formal training and correspondence course requirements. Also shows the proficiency to be demonstrated on the job by the graduate as a result of training on the task/knowledge and the career knowledge provided by the correspondence course.

3. Qualitative Requirements. Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.

4. Job Qualification Standard. The STS becomes a job qualification standard (JQS) for on-the-job training when placed in AF Form 623, *On-The-Job Training Record*, and used according to AFI 36-2201. For OJT, the tasks in column 1 are trained and qualified to the go/no go level. "Go" means the individual can perform the task without assistance and meets local requirements for accuracy, timeliness, and correct procedures. When used as a JQS, the following requirements apply:

4.1 Documentation. Document and certify completion of training IAW AFI 36-2201. Units converted to Training Business Area (TBA) will use this system to document training. IMDS or G081 will continue to be used to document ancillary training and other training currently maintained in these data systems. Use of

Part II and attachments one and two of this CFETP are mandatory in individual training records where paper training records are the primary method of documenting training.

4.1.1. Transcribing from Old CFETP to New CFETP. All AFJQSs and previous CFETPs are replaced by this CFETP; therefore, transcribing of all training records to this CFETP STS is mandatory. Use this CFETP STS (or automated STS) to identify and certify all past and current qualifications. Document and certify all previous and current training IAW AFI 36-2201.

5. STS. A guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the USAF Occupational Measurement Squadron, by Senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in AFI 36-2502, *Airman Promotion Program*. WAPS is not applicable to the Air National Guard or Air Force Reserve.

6. Recommendations. Report unsatisfactory performance of individual course graduates to the AETC training manager at 362 TRS, 613 10th Ave, Sheppard AFB TX, 76311-2520, DSN 736-1825. Please reference specific STS paragraphs.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

LOREN M. RENO
Lieutenant General, USAF
DCS/Logistics, Installations & Mission Support

10 Attachments
1. Proficiency Code Key
2. STS 2A3X3A/B/H/J/K, Commons Aircraft Qualitative Requirements
3. STS 2A3X3A, F-15 Aircraft Qualitative Requirements
4. STS 2A3X3B, F-16 Aircraft Qualitative Requirements
5. STS 2A3X3E, A-10 Aircraft Qualitative Requirements
6. STS 2A3X3H, U-2 Aircraft Qualitative Requirements
7. STS 2A3X3F, MQ-1 Aircraft Qualitative Requirements
8. STS 2A3X3K, F-22A Aircraft Qualitative Requirements

A. STS 2AX7X, Aerospace Maintenance Craftsman

PROFICIENCY CODE KEY

Name Of Trainee		
Printed Name (*Last, First, Middle Initial*)	Initials (Written)	SSAN (last four only)

Printed Name Of Training/Certifying Official And Written Initials	
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***

QUALITATIVE REQUIREMENTS

Proficiency Code Key		
	Scale Value	Definition: The individual
Task Performance Levels	1	**IS EXTREMELY LIMITED** (Can do simple parts of the task. Needs to be told or shown how to do most of the task.)
	2	**IS PARTIALLY PROFICIENT** (Can do most parts of the task. Needs only help on hardest parts.)
	3	**IS COMPETENT** (Can do all parts of the task. Needs only a spot check of completed work.)
	4	**IS HIGHLY PROFICIENT** (Can do the complete task quickly and accurately. Can tell or show others how to do the task.)
*Task Knowledge Levels	a	**KNOWS NOMENCLATURE** (Can name parts, tools, and simple facts about the task.)
	b	**KNOWS PROCEDURES** (Can determine step by step procedures for doing the task.)
	c	**KNOWS OPERATING PRINCIPLES** (Can identify why and when the task must be done and why each step is needed.)
	d	**KNOWS ADVANCED THEORY** (Can predict, isolate, and resolve problems about the task.)
**Subject Knowledge Levels	A	**KNOWS FACTS** (Can identify basic facts and terms about the subject.)
	B	**KNOWS PRINCIPLES** (Can identify relationship of basic facts and state general principles about the subject.)
	C	**KNOWS ANALYSIS** (Can analyze facts and principles and draw conclusions about the subject.)
	D	**KNOWS EVALUATION** (Can evaluate conditions and make proper decisions about the subject.)

Explanations:

***** A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Example: b and 1b)

** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.

- This mark is used alone instead of a scale value to show that no proficiency training is provided in the courses or CDCs.

/ This mark is used in course columns along with proficiency codes to show that training is required but not given due to limitations in resources (3c/b, 2b/b, 2b/- etc.).

Note: All tasks and knowledge items taught in the initial skills course are trained during war time. The 7 level course is not taught in wartime.

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	**A**	**B**	**A**	**B**	**C**	**D**	**E**	**A** 3 Skill Level	**B** 5 Skill Level	**C** 7 Skill Level	
	5	**7**	**Training Start**	**Training Complete**	**Trainee Initials**	**Trainer Initials**	**Cert Initials**	**(1)** Crse	**(1)** CDC	**(1)** Crse	**(2)** CDC
NOTE 1: All course requirements are trained in the 3-level resident wartime course. NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision. NOTE 3: Items marked in columns 2a or 2b with a "*R" are optional core tasks for ANG and AFRC. NOTE 4: Address comments and recommended changes through the MAJCOM Functional Managers to the AETC Training Manager, DSN 736-1825/6184.											
A2.1. CAREER LADDER INFORMATION TR: Air Force Enlisted Classification Directory											
A2.1.1. Accountability and core values								-	-	-	-
A2.1.2. Mobility								-	-	-	-
A2.1.3. Progression in career ladder 2A3X3								-	-	-	-
A2.1.4. Duties of AFS 2A3X3								-	-	-	-
A2.2. OPERATIONS SECURITY (OPSEC) VULNERABILITY OF AFSC 2A3X3 TR: AFI 10-1101											
A2.2.1 Purpose of OPSEC								A	-	-	-
A2.3. AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM TR: Applicable AFOSH Standards; Aircraft TO, AFI 91-301, AFI 21-101											
A2.3.1. Housekeeping consistent with safety of personnel and equipment								A	B	-	-
A2.3.2. Safety precautions pertaining to aircraft maintenance TR: AFOSH STD 91-100, TO 1-1-691											
A2.3.2.1. Engine air intake and exhaust								A	B	-	-
A2.3.2.2. High intensity sound								A	B	-	-
A2.3.2.3. Turbine plane of rotation								A	B	-	-
A2.3.2.4. Radio frequency radiation								A	B	-	-
A2.3.2.5. Ground handling of aircraft TR: AFI 11-218, TO 00-25-172								-	B	-	-
A2.3.2.6. Hot brakes								A	B	-	-
A2.3.2.7. Use of tools and equipment								A	B	-	-
A2.3.2.8. Servicing aircraft systems TR: TO 00-25-172								A	B	-	-
A2.3.2.9. Cleaning agents								A	B	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	**A**	**B**	**A**	**B**	**C**	**D**	**E**	**A** 3 Skill Level	**B** 5 Skill Level	**C** 7 Skill Level	
	5	**7**	**Training Start**	**Training Complete**	**Trainee Initials**	**Trainer Initials**	**Cert Initials**	**(1)** Crse	**(1)** CDC	**(1)** Crse	**(2)** CDC
A2.3.2.10. Solvents								A	B	-	-
A2.3.2.11. Lubricants								A	B	-	-
A2.3.2.12. High pressure gases								A	B	-	-
A2.3.2.13. Aircraft explosive equipment								A	B	-	-
A2.3.2.14 Composite Materials								A	B	-	-
A2.3.3. Portable ground fire extinguishers/Flt line AFI 32-2001, TO 00-25-172											
A2.3.3.1. Perform pre-use inspect								2b	B	-	-
A2.3.3.2. Position								b	B	-	-
A2.3.3.3 Operate								b	-	-	-
A2.3.4 Foreign Object Damage (FOD) Prevention Program TR: AFI 21-101								A	B	-	-
A2.3.5. Dropped Object Prevention Program								-	A	-	-
A2.3.6. Hazardous chemicals TR: AFOSH Std 161-21, AFOSH 91 Series											
A2.3.6.1. Use								A	B	-	-
A2.3.6.2. Disposal								A	B	-	-
A2.3.6.3 Hazard Communication Training Program								-	-	-	-
A2.3.6.4. Hazardous material handling procedures								-	-	-	-
A2.4. MAINTENANCE DIRECTIVES, INSTRUCTIONS AND REFERENCES TR: AFI 37-160 v1, AFI 21-3, TOs 00-5-1, 00-20 Series											
A2.4.1. TO system								A	B	-	-
A2.4.2. Air Force manuals and instructions								A	B	-	-
A2.4.3. Use technical publications	*							2b	-	-	-
A2.4.4. Technical Order Improvement Reporting								-	B	-	-
A2.4.5. Technical order management								-	-	-	-
A2.5. SUPERVISION TR: AFI 21-101, Air Force Tactics, Techniques and Procedures (AFTTP) 3-21.1, AFI 36-2403, AFI 36-2201											

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.5.1.	Plan maintenance								-	-	-	B
A2.5.2.	Schedule maintenance and personnel								-	-	-	-
A2.5.3.	Supervise personnel accomplishing maintenance								-	-	-	-
A2.5.4.	Establish											
A2.5.4.1.	Work methods								-	-	-	-
A2.5.4.2.	Work controls								-	-	-	-
A2.5.4.3.	Performance standards								-	-	-	-
A2.5.5.	Evaluate work performance of subordinate personnel								-	-	-	-
A2.5.6.	Participate in USAF Graduate Evaluation Program								-	-	-	-
A2.6.	**TRAINING TR: AFI 36-2201**											
A2.6.1.	Evaluate personnel for training								-	-	-	-
A2.6.2.	Plan and supervise OJT											
A2.6.2.1.	Prepare job qualification standards								-	-	-	-
A2.6.2.2.	Counsel trainees on training progress								-	-	-	-
A2.6.3.	Training Management and Training Records											
A2.6.3.1.	Document training records								-	-	-	-
A2.6.3.2.	Career Field Education and Training Plan (CFETP)								-	A	-	-
A2.6.3.3.	Specialty Training Standard (STS)								-	-	-	-
A2.6.3.4.	Occupational Survey Report (OSR)								-	-	-	-
A2.6.3.5.	Utilization and Training Workshop (U&TW)								-	-	-	-
A2.6.4.	OJT Trainer Requirements											
A2.6.4.1.	Prepare teaching outlines on task breakdowns								-	-	-	-
A2.6.4.2.	Provide theory and conduct training								-	-	-	-
A2.6.4.3.	Provide feedback to trainee								-	-	-	-
A2.7.	**MAINTENANCE MANAGEMENT TR: AFI 21-101, 21-103, 21-118, AFI 90-201, AFMAN 23-110, TR: AFI 91-202 AFI 91-204**											

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.7.1.	Basic functions within maintenance								A	B	-	-
A2.7.2.	Maintenance Group Commander responsibilities								-	-	-	-
A2.7.3.	Aircraft status monitoring								-	-	-	B
A2.7.4.	Logistics maintenance management								-	-	-	-
A2.7.5.	Base resource functions/interactions								-	-	-	-
A2.7.6.	Processing and controlling material								-	-	-	-
A2.7.7.	Resource management								-	B	-	-
A2.7.8.	Compliance and Standardization Requirements Listing (CSRL)								-	-	-	-
A2.7.9.	Maintenance Performance Indicators (MPI) Relationships								-	-	-	-
A2.7.10.	Personnel management and interaction								-	-	-	-
A2.7.11.	Expediter, production supervisor, and section chief duties and responsibilities								-	-	-	-
A2.7.12.	Budget management								-	-	-	-
A2.7.13.	Financial Plan (FIN Plan)								-	-	-	-
A2.7.14.	Equipment account management								-	-	-	-
A2.7.15.	Maintenance accountability								-	B	-	-
A2.7.16.	Maintenance incident investigation and prevention								-	-	-	-
A2.8.	**MAINTENANCE DATA COLLECTION (MDC) SYSTEM TR: AFI 21-101, AFCSM 21- Series, TO 00-20 Series**											
A2.8.1.	MDC Fundamentals								A	B	-	-
A2.8.2.	Aircraft and supporting maintenance records											
A2.8.2.1.	Purpose								A	B	-	-
A2.8.2.2.	Automated Forms								A	-	-	-
A2.8.2.3.	Document AFTO Form 781H	*							2b	-	-	-
A2.8.2.4.	Document AFTO Form 781A	*							2b	-	-	-
A2.8.2.5.	Document AFTO Form 781J	*							2b	-	-	-
A2.8.2.6.	Document AFTO Form 781K	*							2b	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	**A**	**B**	**A**	**B**	**C**	**D**	**E**	**A** 3 Skill Level	**B** 5 Skill Level	**C** 7 Skill Level	
	5	**7**	**Training Start**	**Training Complete**	**Trainee Initials**	**Trainer Initials**	**Cert Initials**	**(1)** Crse	**(1)** CDC	**(1)** Crse	**(2)** CDC
A2.8.2.7. Document AFTO Form 781C								-	-	-	-
A2.8.2.8. Document AFTO Form 781F								-	-	-	-
A2.8.2.9. Document DD Form 2026 (JOAP)	*							2b	-	-	-
A2.8.2.10. Document AFTO Form 93								-	-	-	-
A2.8.2.11. Document AFTO Form 241								-	-	-	-
A2.8.2.12 Document AFTO Form 244								a	B	-	-
A2.8.2.13. Document AFTO Form 349								-	-	-	-
A2.8.2.14 Document AFTO Form 350								1b	-	-	-
A2.8.2.15. Document AFTO Form 95								-	-	-	-
A2.8.3. Integrated Maintenance Data System (IMDS)											
A2.8.3.1. Purpose								A	B	-	-
A2.8.3.2. Job data documentation (JDD)											
A2.8.3.2.1. Purpose								A	-	-	-
A2.8.3.2.2. Access JDD								2b	-	-	-
A2.8.3.2.3. Create maintenance event	*							2b	-	-	-
A2.8.3.2.4. Defer maintenance event	*							2b	-	-	-
A2.8.3.2.5. Schedule maintenance event	*							2b	-	-	-
A2.8.3.2.6. Close maintenance event	*							2b	-	-	-
A2.8.4. Deficiency Reporting (DR) TR: TO 00-35D-54								-	B	-	-
A2.8.5. Historical records								-	-	-	-
A2.8.6. Status reports								-	-	-	-
A2.8.7. Configuration management								-	A	-	-
A2.9. MAINTENANCE MATERIALS AND TOOLS TR: TO 1-1A-8, 1-1A-14, 32 Series, AFI 21-101, TO 1-1-691, Applicable AFOSH Stds, TO 32-Series											
A2.9.1. Tool control								A	-	-	-
A2.9.2. Select and use special tools								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.9.3. Select and use restraint harness								-	-	-	-
A2.9.4. Process TMDE equipment								-	-	-	-
A2.9.5. Hardware											
A2.9.5.1. Purpose								A	B	-	-
A2.9.5.2. Remove/inspect/install								2b	-	-	-
A2.9.6. Electrical connectors											
A2.9.6.1. Purpose								A	B	-	-
A2.9.6.2. Connect and disconnect								2b	-	-	-
A2.9.7. Securing devices											
A2.9.7.1. Purpose								A	B	-	-
A2.9.7.2. Remove and install								2b	-	-	-
A2.9.8. Lubricants								A	B	-	-
A2.9.9. Sealants								A	B	-	-
A2.9.10. Adhesives								A	B	-	-
A2.9.11. Cleaning agents								A	B	-	-
A2.9.12. Hand tools											
A2.9.12.1. Purpose								A	-	-	-
A2.9.12.2. Select and use								2b	-	-	-
A2.9.13. Measuring tools											
A2.9.13.1. Purpose								A	B	-	-
A2.9.13.2. Select and use ruler								2b	-	-	-
A2.9.13.3. Select and use thickness gauge								2b	-	-	-
A2.9.13.4. Multimeter								-	B	-	-
A2.9.13.5. Use depth gauge								2b	-	-	-
A2.9.13.6. Select and use torque wrench								2b	B	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.10.	**RESPONSIBILITY FOR SUPPLY TR: AFMAN 23-110V2, TO 00-20 series, AFI 21-101, AFI 21-118**											
A2.10.1.	Maintenance supply concept								A	B	-	-
A2.10.2.	Standard Base Supply System (SBSS)								-	-	-	-
A2.10.3.	Special requisition and turn-in slips								-	-	-	-
A2.10.4.	Ordering parts								A	B	-	-
A2.10.5.	Priority system								A	-	-	-
A2.10.6.	Preparing repairable and serviceable parts for turn-in								-	B	-	-
A2.10.7.	Repair cycle assets								-	-	-	-
A2.10.8.	Local manufacture of parts								-	-	-	-
A2.10.9.	Supply documents management								-	-	-	-
A2.10.10	Serviceability/condition tags								-	A	-	B
A2.10.11.	Status of Resources and Training (SORTS)								-	-	-	-
A2.10.12.	Classified asset handling								-	-	-	-
A2.10.13.	Land mobile radios, pagers, and cell phones								-	-	-	-
A2.10.14..	Due In From Maintenance (DIFM) Control								-	B	-	-
A2.11.	**AIRCRAFT GENERAL TR: TO 00-20-1; Applicable -2 TO, TO 1-1B-50, AFI 21-103, TOs 00-35D-54 & 00-20-3, TO 1-1-691, AFI 11-218, Applicable AFOSH std, TO 00-25-172, Aircraft TOs**											
A2.11.1.	Determine weight and balance procedures								-	-	-	-
A2.11.2.	Assist in weight and balance								-	-	-	-
A2.11.3.	Inventory aircraft equipment								-	A	-	-
A2.11.4.	Engine and support warranty								-	B	-	-
A2.11.5.	Corrosion control program											
A2.11.5.1.	Aircraft cleaning								A	B	-	-
A2.11.5.2.	Corrosion identification								A	B	-	-
A2.11.5.3.	Corrosion treatment								A	B	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.11.5.4.	Lubricate aircraft								A	B	-	-
A2.11.6.	Aircraft inspection concepts/types								A	B	-	-
A2.11.7.	Principles of ground handling								-	B	-	-
A2.11.8.	Principles of Crash Damaged and Disabled Aircraft Recovery (CDDAR)								-	B	-	B
A2.12.	**AIRFRAME TR: Aircraft TOs**											
A2.12.1.	Structure								A	B	-	B
A2.12.2.	Remove/inspect/install panels								-	-	-	-
A2.12.3.	Remove/inspect/install components								-	-	-	-
A2.13.	**LANDING GEAR TR: Aircraft TOs**											
A2.13.1.	Fundamentals								A	-	-	B
A2.14.	**UTILITIES TR: Aircraft TOs**											
A2.14.1.	Fundamentals								-	-	-	B
A2.14.2.	Gaseous and liquid oxygen systems								A	-	-	B
A2.14.3.	Bleed air system								A	-	-	B
A2.14.4.	Air conditioning system								A	-	-	B
A2.14.5.	Pressurization system								A	-	-	B
A2.14.6.	Fire/overheat warning system								A	-	-	B
A2.15.	**FLIGHT CONTROLS TR: Aircraft TOs**											
A2.15.1.	Principles of flight								A	-	-	B
A2.15.2.	Primary flight control fundamentals								A	-	-	B
A2.15.3.	Secondary flight control fundamentals								A	-	-	B
A2.16.	**HYDRAULICS TR: Aircraft TOs**											
A2.16.1.	Fundamentals								A	-	-	B
A2.17.	**ENGINES TR: Aircraft TOs**											
A2.17.1.	Fundamentals								A	-	-	B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.18. FUELS TR: Applicable AFOSH Standards; TO 00-25-172; Applicable -2 TO											
A2.18.1. Fundamentals								A	-	-	B
A2.19. ELECTRICAL TR: Aircraft TOs											
A2.19.1. Fundamentals								A	-	-	B
A2.20. AEROSPACE GROUND EQUIPMENT TR: AFOSH Stds 91-66, 91-100, 91-2, TO 35A4 Series											
A2.20.1. Maintenance stands TR: AFOSH STD 91-2, TO 35A4 Series											
A2.20.1.1. Purpose and description								A	B	-	-
A2.20.1.2. Perform pre-use inspection								2b	-	-	-
A2.20.1.3. Operate								2b	-	-	-
A2.20.2. Engine stands and dollies TR: TO 35D3 series											
A2.20.2.1. Purpose and description								-	B	-	-
A2.20.2.2. Perform pre-use inspection								-	-	-	-
A2.20.2.3. Use								-	-	-	-
A2.20.3. Hydraulic test stand TR: TO 33A2 Series											
A2.20.3.1. Purpose and description								A	B	-	-
A2.20.3.2. Perform pre-use inspection								2b	-	-	-
A2.20.3.3. Use								2b	-	-	-
A2.20.4. Aircraft jacks TR: TO 35A2 Series											
A2.20.4.1. Purpose and description								A	B	-	-
A2.20.4.2. Perform pre-use inspection								2b	-	-	-
A2.20.4.3. Operate								2b	-	-	-
A2.20.5. Diesel air compressors TR: TO 34Y1 Series											
A2.20.5.1. Purpose and description								A	B	-	-
A2.20.5.2. Perform pre-use inspection								2b	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.20.5.3. Operate								2b	-	-	-
A2.20.6. Ground heaters TR: TO 35E7 Series											
A2.20.6.1. Purpose and description								A	B	-	-
A2.20.6.2. Perform pre-use inspection								2b	-	-	-
A2.20.6.3. Operate								2b	-	-	-
A2.20.7. Diesel Generator Sets TR: TO 35C2 Series											
A2.20.7.1. Purpose and description								A	B	-	-
A2.20.7.2. Perform pre-use inspection								2b	-	-	-
A2.20.7.3. Operate								2b	-	-	-
A2.20.8. Gas turbine compressors/generators TR: TO 35D12											
A2.20. 8.1. Purpose and description								A	B	-	-
A2.20. 8.2. Perform pre-use inspection								2b	-	-	-
A2.20. 8.3. Operate								2b	-	-	-
A2.20.9. Lighting equipment TR: TO 35F5 Series											
A2.20.9.1. Purpose and description								A	B	-	-
A2.20.9.2. Perform pre-use inspection								2b	-	-	-
A2.20.9.3. Operate								2b	-	-	-
A2.20.10. Air conditioning units TR: TO 35E9 Series											
A2.20.10.1. Purpose and description								A	B	-	-
A2.20.10.2. Perform pre-use inspection								2b	-	-	-
A2.20.10.3. Operate								2b	-	-	-
A2.20.11. Tow vehicles TR: TO 36A10 Series											
A2.20.11.1. Purpose and description								-	A	-	-
A2.20.11.2. Perform pre-use inspection								-	-	-	-
A2.20.11.3. Operate								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.20.12. Liquid oxygen servicing equipment TR: TOs 37C2-8; 15X-1-1											
A2.20.12.1. Purpose and description								A	B	-	-
A2.20.13. Self-generating nitrogen equipment TR: TO 35D3 Series											
A2.20.13.1. Purpose and description								A	B	-	-
A2.20.13.2. Perform pre-use inspection								1b	-	-	-
A2.20.13.3. Operate								1b	-	-	-
A2.20.14. Liquid nitrogen servicing equipment TR: TO 35D3 Series											
A2.20.14.1. Purpose and description								A	B	-	-
A2.20.14.2. Perform pre-use inspection								1b	-	-	-
A2.20.14.3. Operate								1b	-	-	-
A2.20.15. Gaseous nitrogen servicing equipment TR: TO 35D3 Series											
A2.20.15.1. Purpose and description								A	B	-	-
A2.20.15.2. Perform pre-use inspection								1b	-	-	-
A2.20.15.3. Operate								1b	-	-	-
A2.20.16. Oil servicing carts TR: TO 35A17											
A2.20.16.1. Purpose and description								A	B	-	-
A2.24.16.2. Perform pre-use inspection	*							2b	-	-	-
A2.24.16.3. Use	*							2b	-	-	-
A2.20.17. Hydraulic servicing carts TR: TO 35D29 Series											
A2.20.17.1. Purpose and description								A	B	-	-
A2.20.17.2. Perform pre-use inspection	*							2b	-	-	-
A2.20.17.3. Operate	*							2b	-	-	-
A2.20.18. Crash recovery equipment											
A2.20.18.1. Air bags TR: 35D5-5-3-1											
A2.20.18.1.1. Purpose and description								-	A	-	B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.20.18.1.2. Pre-use inspection											
A2.20.18.1.3. Use								-	-	-	-
A2.20.18.2. Consoles/Manifolds TR: 35A4-15-1											
A2.20.18.2.1. Purpose and description								-	A	-	B
A2.20.18.2.2. Pre-use inspection											
A2.20.18.2.3. Use								-	-	-	-
A2.20.18.3. Wheel Skates TR: 35D3-32-3-1											
A2.20.18.3.1. Purpose and description								-	A	-	B
A2.20.18.3.2. Pre-use inspection											
A2.20.18.3.3. Use								-	-	-	-
A2.20.18.4. Slings TR: 35D6-1-106											
A2.20.18.4.1. Purpose and description								-	A	-	B
A2.20.18.4.2. Pre-use inspection											
A2.20.18.4.3. Use								-	-	-	-
A2.20.19. Bomb Lifts TR: TO 35D5 Series											
A2.20.19.1 Purpose and description								-	A	-	-
A2.20.19.2. MJ-1											
A2.20.19.2.1. Perform pre-use inspection								-	-	-	-
A2.20.19.2.2. Operate								-	-	-	-
A2.20.19.3. MJ-4/MH 283											
A2.20.19.3.1. Perform pre-use inspection								-	-	-	-
A2.20.19.3.2. Operate								-	-	-	-
A2.20.20. Portable wash equipment TR: TO 35E22 Series											
A2.20.20.1. Purpose and description								-	A	-	-
A2.20.20.2. Perform pre-use inspection								-	-	-	-
A2.20.20.3. Operate								-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.20.21.	Engine removal/installation (R&I) trailer TR: TO 35D3 Series											
A2.20.21.1.	Purpose and description								-	A	-	-
A2.20.21.2.	Perform pre-use inspection								-	-	-	-
A2.20.21.3.	Operate								-	-	-	-
A2.20.22.	Engine transfer trailer TR: TO 35D3 Series											
A2.20.22.1.	Purpose and description								-	A	-	-
A2.20.22.2.	Perform pre-use inspection								-	-	-	-
A2.20.22.3.	Operate								-	-	-	-

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	**A**	**B**	**A**	**B**	**C**	**D**	**E**	**A** 3 Skill Level	**B** 5 Skill Level	**C** 7 Skill Level	
	5	**7**	**Training Start**	**Training Complete**	**Trainee Initials**	**Trainer Initials**	**Cert Initials**	**(1)** Crse	**(1)** CDC	**(1)** Crse	**(2)** CDC
NOTE 1: Use this attachment in conjunction with STS 2A3X3 attachment 2.											
NOTE 2: All task/knowledge taught in the initial skills course trained in the resident wartime courses.											
NOTE 3: Items in column 2 marked with an asterisk (*) are the core tasks for either the 5 or 7 skill level and are required for upgrade. Items marked with an (*/R) are not required by AFRC and ANG for upgrade.											
A3.1. AIRCRAFT GENERAL TR: TO 00-20-1, 00-5-1; Applicable -2 TOs											
A3.1.1. Avionics components and system operation								A	-	-	-
A3.1.2. Weapon system components								A	-	-	-
A3.1.3. Safe aircraft for maintenance	*							3c	-	-	-
A3.1.4. Use E-tools								-	-	-	-
A3.1.4. Aircraft inspections TR: TO 00-20-1; Applicable -6 TO											
A3.1.4.1. Periodic inspection concept								B	-	-	-
A3.1.4.2. Perform inspections											
A3.1.4.2.1. Preflight	*							1b	-	-	-
A3.1.4.2.2. Basic Postflight	*							1b	-	-	-
A3.1.4.2.3. Preflight/Basic Postflight combination	*							3c	-	-	-
A3.1.4.2.4. End of Runway								-	-	-	-
A3.1.4.2.5. Thruflight	*							3c	-	-	-
A3.1.4.2.6. Quick-turn								-	-	-	-
A3.1.4.2.7. Hourly Postflight								-	-	-	-
A3.1.4.2.8. Periodic								-	-	-	-
A3.1.4.2.9. Time replacement item								-	-	-	-
A3.1.4.2.10. Calendar								-	-	-	-
A3.1.4.3. Perform special inspections											
A3.1.4.3.1. Acceptance/Transfer								-	-	-	-
A3.1.4.3.2. Over-G								-	-	-	-
A3.1.4.3.3. Lightning strike								-	-	-	-
A3.1.4.3.4. Engine bay								-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.1.4.3.5.	Combat Sortie Generation								-	-	-	-
A3.1.4.3.6.	Intake and exhaust inspection								-	-	-	-
A3.1.5.	Aircraft communications equipment											
A3.1.5.1.	Operate radio								-	-	-	-
A3.1.5.2.	Use interphone	*							2b	-	-	-
A3.1.6.	Ground Handling TR: AFI 11-218, Applicable AFOSH Stds, TO 00-25-172, Aircraft TOs											
A3.1.6.1.	Launch Aircraft											
A3.1.6.1	Normal Launch Procedures	*							3c	-	-	-
A3.1.6.2.	Recover aircraft	*							3c	-	-	-
A3.1.6.3.	Tow aircraft											
A3.1.6.3.1.	Tow team member	*							2b	-	-	-
A3.1.6.3.2.	Tow team supervisor		*						-	-	-	-
A3.1.6.3.3.	Tow vehicle operator								-	-	-	-
A3.1.6.4.	Moor aircraft								-	-	-	-
A3.1.6.5.	Jack and level aircraft											
A3.1.6.5.1.	Jacking team member	*							2b	-	-	-
A3.1.6.5.2.	Jacking supervisor		*						-	-	-	-
A3.1.6.6.	Axle jacking	*							2b	-	-	-
A3.1.6.7.	De-ice aircraft								-	-	-	-
A3.1.6.8.	Lubricate aircraft after wash								2b	-	-	-
A3.1.6.9.	Apply external cooling air								2b	-	-	-
A3.1.6.10.	Remove/Install ballast								-	-	-	-
A3.1.6.11.	Crash Damage or Disabled Aircraft Recovery (CDDAR)								-	B	-	-
A3.2.	**AIRFRAME** **TR: Aircraft TOs**											
A3.2.1	Airframe components and construction								A	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.2.2.	Rig doors								-	-	-	-
A3.2.3.	Perform operational check of doors								-	-	-	-
A3.2.4.	Remove/inspect/install											
A3.2.4.1.	Windscreen								-	-	-	-
A3.2.4.2.	Travel Pods								-	-	-	-
A3.2.4.3.	Stress panels								2b	-	-	-
A3.2.5.	Open/Close											
A3.2.5.1.	Hingeable doors	*							2b	-	-	-
A3.2.5.2.	Radome								2b	-	-	-
A3.3.	**CANOPY TR: Applicable -2 TO**											
A3.3.1.	Components and system operation								A	B	-	-
A3.3.2.	Perform operational check								-	-	-	-
A3.3.3.	Rig								-	-	-	-
A3.3.4.	Remove/inspect/install											
A3.3.4.1.	Canopy								-	-	-	-
A3.3.4.2.	Actuator								-	-	-	-
A3.3.4.3.	Accumulator								-	-	-	-
A3.3.4.4.	Accumulator check valve								-	-	-	-
A3.3.4.5.	Accumulator pressure gauge								-	-	-	-
A3.3.4.6.	Control handle								-	-	-	-
A3.3.4.7.	Control cable								-	-	-	-
A3.3.4.8.	Control valve								-	-	-	-
A3.3.4.9.	Check valve								-	-	-	-
A3.3.4.10.	Sequence valve								-	-	-	-
A3.3.4.11.	Two-way restrictor								-	-	-	-
A3.3.4.12.	Rain seal								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.3.5. Operate											
A3.3.5.1. Manual	*							3c	-	-	-
A3.3.5.2. Normal	*							3c	-	-	-
A3.3.6. Service											
A3.3.6.1. Actuator	*							2b	-	-	-
A3.3.6.2. Accumulator	*							2b	-	-	-
A3.4. LANDING GEAR TR: Aircraft TOs											
A3.4.1. Components and system operation								A	B	-	-
A3.4.2. Operate normal systems											
A3.4.2.1. Landing gear								1b	-	-	-
A3.4.2.2. Brakes								1b	-	-	-
A3.4.2.3. Anti-skid								-	-	-	-
A3.4.2.4. Arresting gear								1b	-	-	-
A3.4.3. Operate emergency system											
A3.4.3.1. Landing gear extension								1b	-	-	-
A3.4.3.2. Brakes	*							2b	-	-	-
A3.4.3.3. Steering								2b	-	-	-
A3.4.4. Nose wheel steering system											
A3.4.4.1. Nose wheel steering components								B	-	-	-
A3.4.4.2. Remove/inspect/install											
A3.4.4.2.1. Selector valve								-	-	-	-
A3.4.4.2.2. Shuttle valve								-	-	-	-
A3.4.4.2.3. Steering unit								-	-	-	-
A3.4.4.2.4. Steering support housing								-	-	-	-
A3.4.4.3. Operate nose wheel steering								2b	-	-	-
A3.4.5. Rig											

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.4.5.1. Landing gear								-	-	-	-
A3.4.5.2. Nose wheel steering								-	-	-	-
A3.4.5.3. Arresting gear								-	-	-	-
A3.4.6. Service											
A3.4.6.1. Landing gear struts											
A3.4.6.1.1. Nose	*							-	-	-	-
A3.4.6.1.2. Main	*							2b	-	-	-
A3.4.6.2. Tires TR: Applicable -2 TOs	*							3c	-	-	-
A3.4.6.3. Arresting gear actuator	*							2b	-	-	-
A3.4.6.4. Damper	*							2b	-	-	-
A3.4.7. Remove/inspect/install											
A3.4.7.1. Wheel and tire assemblies	*							2b	-	-	-
A3.4.7.2. Brake system components											
A3.4.7.2.1. Brake assemblies	*							2b	-	-	-
A3.4.7.2.2. Brake control cables								-	-	-	-
A3.4.7.2.3. Dual brake control valve								-	-	-	-
A3.4.7.2.4. Brake interconnect cable								-	-	-	-
A3.4.7.2.5. Brake pressure dissipation valve								-	-	-	-
A3.4.7.2.6. Brake/steering arming valve cable								-	-	-	-
A3.4.7.2.7. Brake/steering emergency cable								-	-	-	-
A3.4.7.2.8. Brake/steering emergency handle								-	-	-	-
A3.4.7.2.9. Emergency brake/steering arming valve								-	-	-	-
A3.4.7.3. Landing gear components											
A3.4.7.3.1. NLG strut								-	-	-	-
A3.4.7.3.2. NLG actuator								-	-	-	-
A3.4.7.3.3. NLG door selector valve								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	**A**	**B**	**A**	**B**	**C**	**D**	**E**	**A** 3 Skill Level	**B** 5 Skill Level	**C** 7 Skill Level	
	5	**7**	**Training Start**	**Training Complete**	**Trainee Initials**	**Trainer Initials**	**Cert Initials**	**(1)** Crse	**(1)** CDC	**(1)** Crse	**(2)** CDC
A3.4.7.3.4. MLG strut								-	-	-	-
A3.4.7.3.5. MLG actuator								-	-	-	-
A3.4.7.3.6. MLG door selector valve								-	-	-	-
A3.4.7.3.7. Emergency selector valve								-	-	-	-
A3.4.7.4. Arresting gear components											
A3.4.7.4.1. Hook shank								-	-	-	-
A3.4.7.4.2. Hook actuator								-	-	-	-
A3.4.7.4.3. Hook uplatch actuator								-	-	-	-
A3.4.7.4.4. Hook damper								2b	-	-	-
A3.4.7.4.5. Hook fairings								-	-	-	-
A3.4.7.4.6. Hook release and retraction mechanism								-	-	-	-
A3.4.7.4.7. Emergency selector valve								-	-	-	-
A3.4.8. Bleed brakes	*							2b	-	-	-
A3.4.9. Determine serviceability of aircraft tires TR: TO 4T-1-3, Applicable -6 TOs	*							3c	-	-	-
A3.4.10. Repack landing gear components											
A3.4.10.1. Nose strut								-	-	-	-
A3.4.10.2. Main strut								-	-	-	-
A3.4.11. Build-up wheel and tire assembly											
A3.4.11.1. Nose wheel assembly								-	-	-	-
A3.4.11.2. Main wheel assembly								-	-	-	-
A3.4.12. Operate gear doors											
A3.4.12.1. Manual	*							2b	-	-	-
A3.4.12.2. Emergency operation								-	-	-	-
A3.4.13. Troubleshoot landing gear								-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.5.	**UTILITIES TR: Aircraft TOs**											
A3.5.1.	Components and system operation								A	B	-	-
A3.5.2.	Perform operational check											
A3.5.2.1.	Bleed air system								-	-	-	-
A3.5.2.2.	Air conditioning system								-	-	-	-
A3.5.2.3.	Pressurization system								-	-	-	-
A3.5.2.4.	Anti-ice/de-ice system								-	-	-	-
A3.5.2.5.	Rain removal system								-	-	-	-
A3.5.2.6.	Fire/overheat warning system								2b	-	-	-
A3.5.2.7.	Oxygen system quantity								3c	-	-	-
A3.5.3.	Inspect											
A3.5.3.1.	Oxygen system								-	-	-	-
A3.5.3.2.	Fire/Overheat warning system								-	-	-	-
A3.5.4.	Service liquid oxygen system TR: TO 00-25-172, 15X-1-1	*							2b	-	-	-
A3.5.5.	Remove/inspect/install Liquid Oxygen (LOX) converter	*							3c	-	-	-
A3.5.6.	LOX servicing equipment pre-use inspection TR: TO 37C2-8, 15X-1-1	*							2b	-	-	-
A3.5.7.	Operate LOX servicing equipment	*							2b	-	-	-
A3.6.	**FLIGHT CONTROLS TR: Aircraft T.O.s**											
A3.6.1.	Component identification and system operation								A	B	-	-
A3.6.2.	Perform operational check								1b	-	-	-
A3.6.3.	Remove/inspect/install											
A3.6.3.1.	Aileron								-	-	-	-
A3.6.3.2.	Rudder								-	-	-	-
A3.6.3.3.	Stabilator								-	-	-	-
A3.6.3.4.	Speed brake								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.6.3.5. Flap								-	-	-	-
A3.6.3.6. Pitch Roll Channel Assembly (PRCA)								-	-	-	-
A3.6.3.7. Pitch Trim Compensator (PTC)								-	-	-	-
A3.6.3.8. Roll Ratio Controller (RRC)								-	-	-	-
A3.6.3.9. Mode select								-	-	-	-
A3.6.3.10. Aileron Rudder Interconnect (ARI)								-	-	-	-
A3.6.3.11. Yaw Ratio Controller (YRC)								-	-	-	-
A3.6.3.12. Remove/inspect/install actuators											
A3.6.3.12.1. Aileron								-	-	-	-
A3.6.3.12.2. Rudder								-	-	-	-
A3.6.3.12.3. Stabilator								-	-	-	-
A3.6.3.12.4. Speed brake								-	-	-	-
A3.6.3.12.5. Flap								-	-	-	-
A3.6.3.12.6. Lateral feel trim								-	-	-	-
A3.6.3.12.7. Longitudinal feel trim								-	-	-	-
A3.6.3.12.8. Directional feel trim								-	-	-	-
A3.6.3.12.9. Yaw trim (F-15E)								-	-	-	-
A3.6.3.13. Remove/install/inspect components											
A3.6.3.13.1. Switching valves								-	-	-	-
A3.6.3.13.2. Aileron cables/bellcranks								-	-	-	-
A3.6.3.13.3. Rudder cables/bellcranks								-	-	-	-
A3.6.3.13.4. ARI to PRCA interconnect cable								-	-	-	-
A3.6.3.13.5. Rudder travel limiter								-	-	-	-
A3.6.3.13.6. Aileron safety spring cartridge								-	-	-	-
A3.6.3.13.7. Rudder control breakout assembly								-	-	-	-
A3.6.3.13.8. Stabilator control cables/bellcranks								-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.6.4.	Rig flight control systems											
A3.6.4.1.	Longitudinal								-	-	-	-
A3.6.4.2.	Lateral								-	-	-	-
A3.6.4.3.	Directional								-	-	-	-
A3.6.5.	Troubleshoot flight controls								-	-	-	-
A3.7.	**HYDRAULICS TR: Aircraft TOs**											
A3.7.1.	Components and system operation								A	B	-	-
A3.7.2.	Service	*							3c	-	-	-
A3.7.3.	Drain								-	-	-	-
A3.7.4.	Flush								-	-	-	-
A3.7.5.	Apply hydraulic pressure	*							2b	-	-	-
A3.7.6.	Bleed hydraulic system		*						-	-	-	-
A3.7.7.	Remove/inspect/install											
A3.7.7.1.	Lines	*							-	-	-	-
A3.7.7.2.	Pumps	*							2b	-	-	-
A3.7.7.3.	Manifolds											
A3.7.7.3.1.	Pump manifolds								-	-	-	-
A3.7.7.3.2.	Accessories manifolds								-	-	-	-
A3.7.7.4.	Reservoirs								-	-	-	-
A3.7.7.5.	Cockpit gauges								-	-	-	-
A3.7.7.6.	Valves											
A3.7.7.6.1.	Check valve								-	-	-	-
A3.7.7.6.2.	Thermal control valve								-	-	-	-
A3.7.7.6.3.	Utility bypass warm-up valve								-	-	-	-
A3.7.7.6.4.	Filters/Delta "P"								-	-	-	-
A3.7.7.6.5.	Pressure transmitter								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.7.7.6.6.	Pressure switch								-	-	-	-
A3.7.8.	Troubleshoot hydraulic system								-	-	-	-
A3.8.	**AIR INDUCTION TR: Applicable -2 TOs**											
A3.8.1.	Components and system operation								A	B	-	-
A3.8.2.	Remove/inspect/install											
A3.8.2.1.	First ramp actuator								-	-	-	-
A3.8.2.2.	Diffuser ramp actuator								-	-	-	-
A3.8.2.3.	Bypass door actuator								-	-	-	-
A3.8.2.4.	First ramp								-	-	-	-
A3.8.2.5.	Second ramp								-	-	-	-
A3.8.2.6.	Third ramp								-	-	-	-
A3.8.2.7.	Diffuser ramp								-	-	-	-
A3.8.2.8.	Bypass door								-	-	-	-
A3.8.3.	Perform operational check								-	-	-	-
A3.8.4.	Rig								-	-	-	-
A3.8.5.	Troubleshoot air induction system								-	-	-	-
A3.9.	**ENGINES TR: Aircraft TOs, AFOSH Standards 91-66 and 91-100**											
A3.9.1.	Components and system operation								A	B	-	-
A3.9.2.	Engine monitoring system								A	A	-	-
A3.9.3.	Operate engine								-	-	-	-
A3.9.4.	Trim engine								-	-	-	-
A3.9.5.	Oil system TR: Applicable -6 TOs											
A3.9.5.1.	Inspect magnetic chip detectors	*							3c	-	-	-
A3.9.5.2.	Service	*							2b	-	-	-
A3.9.5.3.	Drain								-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.9.5.4.	Flush								-	-	-	-
A3.9.5.5.	Joint Oil Analysis Program (JOAP)								-	B	-	-
A3.9.5.6.	Take JOAP sample	*							3c	-	-	-
A3.9.6.	Remove/inspect/install											
A3.9.6.1.	Engine								-	-	-	-
A3.9.6.2.	Engine interconnect box								-	-	-	-
A3.9.6.3.	Events History Recorder (EHR)								-	-	-	-
A3.9.6.4.	Engine Diagnostic Unit (EDU)								-	-	-	-
A3.9.6.5.	Electronic Engine Control (EEC)								-	-	-	-
A3.9.6.6.	Digital Electronic Engine Control (DEEC)								-	-	-	-
A3.9.6.7.	Fan Turbine Inlet Temperature (FTIT) Probe								-	-	-	-
A3.9.6.8.	Ignition exciter boxes											
A3.9.6.8.1.	Single								-	-	-	-
A3.9.6.8.2.	Dual								-	-	-	-
A3.9.6.9.	Ignition plugs											
A3.9.6.9.1.	Main								-	-	-	-
A3.9.6.9.2.	Augmentor								-	-	-	-
A3.9.6.10.	Plumbing								-	-	-	-
A3.9.6.11.	Engine oil seals								-	-	-	-
A3.9.6.12.	Engine fuel seals								-	-	-	-
A3.9.6.13.	Oil tank								-	-	-	-
A3.9.6.14.	Oil pump								-	-	-	-
A3.9.6.15.	Oil filters/Delta “P”								-	-	-	-
A3.9.6.16.	Oil pressure transmitter								-	-	-	-
A3.9.6.17.	Breather pressurizing valve								-	-	-	-
A3.9.6.18.	Main fuel pump								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.9.6.19. Fuel/oil cooler								-	-	-	-
A3.9.6.20. Pressurization and dump valve								-	-	-	-
A3.9.6.21. Fuel filters								-	-	-	-
A3.9.6.22. N2 sensor								-	-	-	-
A3.9.6.23. TT2 sensor								-	-	-	-
A3.9.6.24. Exhaust Nozzle position transmitter (ENPT)								-	-	-	-
A3.9.6.25. Overspeed detection unit								-	-	-	-
A3.9.6.26. Anti-ice valve								-	-	-	-
A3.9.6.27. CIVV actuator								-	-	-	-
A3.9.6.28. Convergent Exhaust Nozzle Control								-	-	-	-
A3.9.6.29. AJ request cable								-	-	-	-
A3.9.6.30. Flex shafts								-	-	-	-
A3.9.6.31. Primary actuator								-	-	-	-
A3.9.6.32. Secondary actuators								-	-	-	-
A3.9.6.33. Convergent nozzle seals								-	-	-	-
A3.9.6.34. Divergent nozzle seals								-	-	-	-
A3.9.6.35. Divergent nozzle segments								-	-	-	-
A3.9.6.36. Convergent nozzle segments								-	-	-	-
A3.9.6.37. Augmentor flameholder								-	-	-	-
A3.9.6.38. Light-off detector								-	-	-	-
A3.9.7. Rig											
A3.9.7.1. AJ request cable								-	-	-	-
A3.9.7.2. Nozzle								-	-	-	-
A3.9.8. Throttle system											
A3.9.8.1. Remove/inspect/install components											
A3.9.8.1.1. Throttle quadrant (F-15A/C)								-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.9.8.1.2.	Throttle quadrant (F-15D/E)								-	-	-	-
A3.9.8.1.3.	One piece throttle cable								-	-	-	-
A3.9.8.1.4.	Two piece throttle cable								-	-	-	-
A3.9.8.1.5.	Throttle interconnect cable								-	-	-	-
A3.9.8.1.6.	Throttle sector box								-	-	-	-
A3.9.8.2.	Inspect components TR: Applicable -6 TOs								-	-	-	-
A3.9.8.3.	Rig throttles								-	-	-	-
A3.9.8.4.	Adjust throttle detent								-	-	-	-
A3.9.9.	Operate special equipment											
A3.9.9.1.	Rigid borescope								-	B	-	-
A3.9.9.2.	Flex borescope								-	B	-	-
A3.9.9.3.	Ignition tester								-	A	-	-
A3.9.9.4.	Comprehensive Engine Diagnostic System (CEDS)								A	-	-	-
A3.9.10.	Troubleshoot engine								-	-	-	-
A3.10.	**ENGINE STARTING SYSTEM TR: Applicable -2 TOs**											
A3.10.1.	Components and system operation								A	B	-	-
A3.10.2.	Perform operational check								-	-	-	-
A3.10.3.	Prime Jet Fuel Starter (JFS)								-	-	-	-
A3.10.4.	Service											
A3.10.4.1.	JFS accumulator	*							3c	-	-	-
A3.10.4.2.	Central Gear Box (CGB)	*							3c	-	-	-
A3.10.4.3.	Aircraft Mounted Accessory Drives (AMAD)	*							3c	-	-	-
A3.10.5.	Remove/inspect/install											
A3.10.5.1.	JFS	*							-	-	-	-
A3.10.5.2.	JFS run/control/ready relay								-	-	-	-
A3.10.5.3.	JFS control timer relay								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	**A**	**B**	**A**	**B**	**C**	**D**	**E**	**A** 3 Skill Level	**B** 5 Skill Level	**C** 7 Skill Level	
	5	**7**	**Training Start**	**Training Complete**	**Trainee Initials**	**Trainer Initials**	**Cert Initials**	**(1)** Crse	**(1)** CDC	**(1)** Crse	**(2)** CDC
A3.10.5.4. JFS fuel filter								-	-	-	-
A3.10.5.5. JFS fuel control								-	-	-	-
A3.10.5.6. JFS 2-speed switch								-	-	-	-
A3.10.5.7. JFS generator control unit								-	-	-	-
A3.10.5.8. JFS ignition unit								-	-	-	-
A3.10.5.9. JFS ignition plug								-	-	-	-
A3.10.5.10. JFS ignition lead								-	-	-	-
A3.10.5.11. JFS fuel accumulator								-	-	-	-
A3.10.5.12. JFS pressure gauge								-	-	-	-
A3.10.5.13. JFS hand pump								-	-	-	-
A3.10.5.14. JFS accumulator bottles								-	-	-	-
A3.10.5.15. JFS hydraulic manifold								-	-	-	-
A3.10.5.16. Hydraulic pressure intensifier								-	-	-	-
A3.10.5.17. JFS control handle								-	-	-	-
A3.10.5.18. JFS control cable								-	-	-	-
A3.10.5.19. CGB	*							-	-	-	-
A3.10.5.20. CGB chip detector								-	-	-	-
A3.10.5.21. CGB oil filter and differential pressure indicator								-	-	-	-
A3.10.5.22. CGB isolation decoupler								-	-	-	-
A3.10.5.23. CGB permanent magnet generator								-	-	-	-
A3.10.5.24. CGB hydraulic start motor								-	-	-	-
A3.10.5.25. CGB hydraulic clutch control								-	-	-	-
A3.10.5.26. CGB oil pump and switch assembly								-	-	-	-
A3.10.5.27. AMAD								-	-	-	-
A3.10.5.28. AMAD chip detector								-	-	-	-
A3.10.5.29. AMAD oil filter and differential Pressure indicator								3c	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	**A**	**B**	**A**	**B**	**C**	**D**	**E**	**A** 3 Skill Level	**B** 5 Skill Level	**C** 7 Skill Level	
	5	**7**	**Training Start**	**Training Complete**	**Trainee Initials**	**Trainer Initials**	**Cert Initials**	**(1)** Crse	**(1)** CDC	**(1)** Crse	**(2)** CDC
A3.10.5.30. AMAD pawl carrier								-	-	-	-
A3.10.5.31. AMAD oil pump and switch assembly								-	-	-	-
A3.10.5.32. AMAD encase seals								-	-	-	-
A3.10.5.33. AMAD carbon seals								-	-	-	-
A3.10.5.34. AMAD pressure fill fitting								-	-	-	-
A3.10.5.35. AMAD overflow drain								-	-	-	-
A3.10.5.36. AMAD sight gauge								-	-	-	-
A3.10.5.37. AMAD Power Take-off (PTO)								-	-	-	-
A3.10.6. Troubleshoot engine starting system								-	-	-	-
A3.10.7. Operate secondary power system test set											
A3.10.7.1. Static test								-	-	-	-
A3.10.7.2. Dynamic test								-	-	-	-
A3.11. FUELS TR: Applicable AFOSH Standards; TO 00-25-172; Applicable -2 TO											
A3.11.1. Components and system operation								A	B	-	-
A3.11.2. Inspect components								-	-	-	-
A3.11.3. Classify fuel leaks								-	-	-	-
A3.11.4. Perform operational check											
A3.11.4.1. Internal fuel system								-	-	-	-
A3.11.4.2. External fuel system								-	-	-	-
A3.11.5. Refuel aircraft (normal) power off	*							3c	-	-	-
A3.11.6. Refuel aircraft power on											
A3.11.6.1. Team member								1b	-	-	-
A3.11.6.2. Team supervisor								-	-	-	-
A3.11.7. Refuel aircraft (with engine operating)											
A3.11.7.1. Team member								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	**A**	**B**	**A**	**B**	**C**	**D**	**E**	**A** 3 Skill Level	**B** 5 Skill Level	**C** 7 Skill Level	
	5	**7**	**Training Start**	**Training Complete**	**Trainee Initials**	**Trainer Initials**	**Cert Initials**	**(1)** Crse	**(1)** CDC	**(1)** Crse	**(2)** CDC
A3.11.7.1.2 Phase I,II,III								-	-	-	-
A3.11.7.2. Team supervisor								-	-	-	-
A3.11.8. Defuel aircraft power off											
A3.11.8.1. Team member								1b	-	-	-
A3.11.8.2. Team supervisor								-	-	-	-
A3.11.9. Defuel aircraft power on											
A3.11.9.1. Team member	*							1b	-	-	-
A3.11.9.2. Team supervisor		*						-	-	-	-
A3.11.10. Prepare aircraft for fuel cell maintenance								-	-	-	-
A3.11.11. External fuel tanks											
A3.11.11.1. Remove/inspect/install	*							2b	-	-	-
A3.11.11.2. Perform operational check								b	-	-	-
A3.11.11.3. Alternate defuel								-	-	-	-
A3.11.11.4. Inspect 600 gal tank dolly	*							2b	-	-	-
A3.11.11.5. Use 600 gal tank dolly	*							2b	-	-	-
A3.11.12. Air-Air Refueling (AAR) system											
A3.11.12.1. Components and system operation								A	-	-	-
A3.11.12.2. Remove/inspect/install											
A3.11.12.2.1. Door								-	-	-	-
A3.11.12.2.2. Open/close linkage								-	-	-	-
A3.11.12.2.3. Actuator								-	-	-	-
A3.11.12.3. Inspect AAR components TR: Applicable -6 TO								-	-	-	-
A3.11.12.4. Perform operational check								-	-	-	-
A3.11.12.5. Rig								-	-	-	-
A3.11.13. Conformal fuel tanks											
A3.11.13.1. Remove/inspect/install								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.11.13.2. Defuel/Depuddle								-	-	-	-
A3.11.13.3. Perform operational check								-	-	-	-
A3.11.13.4. Inspect conformal fuel tank dolly								-	-	-	-
A3.11.13.5. Use conformal fuel tank dolly								-	-	-	-
A3.11.13.6. Inspect conformal fuel tank hard stand								-	-	-	-
A3.11.13.7. Use conformal fuel tank hard stand								-	-	-	-
A3.12. ELECTRICAL TR: Aircraft TOs											
A3.12.1. Components and system operation								A	B	-	-
A3.12.2. Operate											
A3.12.2.1. Internal lighting	*							3c	-	-	-
A3.12.2.2. External lighting	*							3c	-	-	-
A3.12.2.3. Indicator/warning lights	*							3c	-	-	-
A3.12.2.4. Emergency generator								-	-	-	-
A3.12.3. Remove/inspect/install											
A3.12.3.1. Light lenses/bulbs											
A3.12.3.1.1. Landing light	*							2b	-	-	-
A3.12.3.1.2. Taxi light	*							2b	-	-	-
A3.12.3.1.3. Stab anti-collision light								-	-	-	-
A3.12.3.1.4. Wing anti-collision light								-	-	-	-
A3.12.3.1.5. Wing position light	*							2b	-	-	-
A3.12.3.1.6. Stab position light	*							2b	-	-	-
A3.12.3.1.7. Stab floodlight								-	-	-	-
A3.12.3.1.8. AAR door floodlight								-	-	-	-
A3.12.3.2. Integrated Drive Generator (IDG)								-	-	-	-
A3.12.3.3. Emergency generator								-	-	-	-
A3.12.3.4. Emergency generator/stab selector valve								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.12.4.	IDG											
A3.12.4.1.	Service	*							3c	-	-	-
A3.12.4.2.	Drain								-	-	-	-
A3.12.4.3.	Flush								-	-	-	-
A3.12.4.4.	Replace oil filter/Delta "P"								-	-	-	-
A3.12.5.	Use wiring diagrams								-	-	-	-
A3.12.6.	Connect/apply/disconnect external electrical power	*							3c	-	-	-
A3.13.	**EGRESS TR: Applicable -2 TOs**											
A3.13.1.	Components and system operation								A	-	-	-
A3.13.2.	Inspect egress system and safety devices TR: Applicable -6 TO	*							3c	-	-	-
A3.13.3.	Remove/inspect/install safety pins	*							3c	-	-	-
A3.13.4.	Perform cockpit entry procedures											
A3.13.4.1.	Normal	*							3c	-	-	-
A3.13.4.2.	Alternate	*							3c	-	-	-
A3.14.	**AERIAL GUNNERY TARGET SYSTEM (AGTS) TR: TOs A/A 37U-33/36, 43E11-24-11**											
A3.14.1.	AGTS components and system operation								-	-	-	-
A3.14.2.	Remove/inspect/install											
A3.14.2.1.	AGTS								-	-	-	-
A3.14.2.2.	Components								-	-	-	-
A3.14.3.	Repair AGTS components								-	-	-	-
A3.14.4.	Perform operational check								-	-	-	-
A3.14.5.	Inspect system and components TR: Applicable -6 TOs								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
NOTE 1: Use this attachment in conjunction with STS 2A3X3 attachment 2. NOTE 2: All task/knowledge taught in the initial skills course trained in the resident wartime courses. NOTE 3: Items in column 2 marked with an asterisk (*) are the core tasks for either the 5 or 7 skill level and are required for upgrade. Items marked with an (*/R) are not required by AFRC and ANG for upgrade.											
A4.1. AIRCRAFT GENERAL											
A4.1.1. Corrosion control program TR: TO 1-1-691S; 1F-16()-23											
A4.1.1.1. Prepare aircraft for wash								-	-	-	-
A4.1.1.2 Wash aircraft								-	-	-	-
A4.1.1.3. Inspect for corrosion								-	-	-	-
A4.1.1.4 Lubricate after wash								-	-	-	-
A4.1.2. Prepare aircraft for hangar entry								-	-	-	-
A4.1.3. Ground handling TR: AFI 11-218; AFOSH Std 91-100; TO 00-25-172; Applicable -2 and -6 TOs											
A4.1.3.1. Launch aircraft	*							3c	-	-	-
A4.1.3.2. Recover aircraft	*							3c	-	-	-
A4.1.3.3. Marshall aircraft	*							3c	-	-	-
A4.1.3.4. Perform hot brake check	*							3c	-	-	-
A4.1.3.5. Tow aircraft											
A4.1.3.5.1. Wing/tail walker								2b	-	-	-
A4.1.3.5.2. Brake operator	*							2b	-	-	-
A4.1.3.5.3. Team supervisor		*						-	-	-	-
A4.1.3.5.4. Vehicle operator								-	-	-	-
A4.1.3.6. Moor aircraft								a	-	-	-
A4.1.3.7. Jack aircraft											
A4.1.3.7.1. Tripod jack	*							2b	-	-	-
A4.1.3.7.2. Axle jack	*							2b	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.1.3.7.3.	Team member								2b	-	-	-
A4.1.3.7.4.	Team supervisor		*						-	-	-	-
A4.1.3.7.5.	Assist weighing and leveling								-	-	-	-
A4.1.4.	Safe aircraft for maintenance TR: Applicable -2 TOs	*							3c	-	-	-
A4.1.5.	Aerospace vehicle inspections TR: TOs 00-20-1;1F-16()-6-()											
A4.1.5.1.	Phase inspection concept								A	B	-	-
A4.1.5.2.	Perform inspection											
A4.1.5.2.1.	Preflight	*							3c	-	-	-
A4.1.5.2.2.	Basic postflight	*							3c	-	-	-
A4.1.5.2.3.	Preflight/Basic postflight	*							3c	-	-	-
A4.1.5.2.4.	Walkaround	*							3c	-	-	-
A4.1.5.2.5.	End of runway								A	-	-	-
A4.1.5.2.6.	Thruflight	*							3c	-	-	-
A4.1.5.2.7.	Quick turn								-	-	-	-
A4.1.5.2.8.	Phase								A	-	-	-
A4.1.5.2.9.	Time change item								-	-	-	-
A4.1.5.3.	Perform special inspections											
A4.1.5.3.1.	Acceptance								-	-	-	-
A4.1.5.3.2.	Hard landing inspection								-	-	-	-
A4.1.5.3.3.	Post barrier engagement inspection								-	-	-	-
A4.1.5.3.4.	Over G								-	-	-	-
A4.1.5.4.	Concurrent servicing operation											
A4.1.5.4.1.	Supervisor								-	-	-	-
A4.1.5.4.2.	Team member								-	-	-	-
A4.1.5.5.	Crash recovery team member								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.2.	**AIRFRAME SYSTEMS TR: Applicable -2 TOs**											
A4.2.1.	Airframe components and construction								A	-	-	-
A4.2.2.	Inspect airframe components								-	-	-	-
A4.2.3.	Remove/inspect/install											
A4.2.3.1.	Hingeable doors								-	-	-	-
A4.2.3.2.	Radome								-	-	-	-
A4.2.3.3.	Stress panels	*							A	-	-	-
A4.2.3.4.	Travel pods								-	-	-	-
A4.2.4.	Open and close											
A4.2.4.1.	Hingeable doors	*							2b	-	-	-
A4.2.4.2.	Radome								-	-	-	-
A4.2.5.	Cockpit Foreign Object (FO) awareness								A	-	-	-
A4.2.6.	Clean canopy	*							2b	-	-	-
A4.3.	**EGRESS SYSTEM TR: Applicable -2 TOs**											
A4.3.1.	Egress components and system operation								A	-	-	-
A4.3.2.	Inspect safety devices TR: TO 1F-16C-6-()	*							3c	-	-	-
A4.3.3.	Remove/inspect/install safety pins	*							3c	-	-	-
A4.3.4.	Operate canopy											
A4.3.4.1.	Electrically	*							3c	-	-	-
A4.3.4.2.	Manually								3c	-	-	-
A4.4.	**EMERGENCY POWER UNIT (EPU) SYSTEM TR: Applicable -2 TOs**											
A4.4.1.	EPU components and system operation								A	B	-	B
A4.4.2.	Hydrazine awareness								B	-	-	-
A4.4.3.	Identify leaks								B	-	-	-
A4.4.4.	EPU safety								B	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.4.5.	Remove/inspect/install											
A4.4.5.1.	EPU assembly								-	-	-	-
A4.4.5.2.	Pressure switch								-	-	-	-
A4.4.5.3.	Hydraulic pump								-	-	-	-
A4.4.5.4.	Electric generator								-	-	-	-
A4.4.5.5.	External indicator								-	-	-	-
A4.4.6.	Perform leak check								-	-	-	-
A4.4.7.	Maintain leak detector								-	-	-	-
A4.4.8.	Service											
A4.4.8.1.	EPU nitrogen	*							b	-	-	-
A4.4.8.2.	EPU oil	*							b	-	-	-
A4.4.9.	Perform operational check in bleed air mode								-	-	-	-
A4.5..	**LANDING GEAR SYSTEM TR: Applicable -2 TOs**											
A4.5.1.	Main landing gear components and system operation								A	B	-	-
A4.5.2.	Nose landing gear components and system operation								A	B	-	-
A4.5.3.	Alternate/emergency landing gear components and system operation								A	B	-	B
A4.5.4.	Braking components and system operation								A	B	-	-
A4.5.5.	Anti-skid components and system operation								A	B	-	-
A4.5.6.	Arresting hook components and system operation								A	B	-	-
A4.5.7.	Nose wheel steering (NWS) components and system operation								A	B	-	-
A4.5.8.	Remove/inspect/install											
A4.5.8.1.	Retract actuator								-	-	-	-
A4.5.8.2.	Downlock actuator								-	-	-	-
A4.5.8.3.	Uplock mechanism								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.5.8.4.	Main door actuator								-	-	-	-
A4.5.8.5.	Nose door actuator								-	-	-	-
A4.5.8.6.	Uplock roller								-	-	-	-
A4.5.8.7.	Main shock strut assembly								-	-	-	-
A4.5.8.8.	Nose shock strut assembly								-	-	-	-
A4.5.8.9.	Tension strut assembly								-	-	-	-
A4.5.8.10.	Drag brace assembly								-	-	-	-
A4.5.8.11.	Control valve								-	-	-	-
A4.5.8.12.	Sequencing valve								-	-	-	-
A4.5.8.13.	Axle assembly								-	-	-	-
A4.5.8.14.	Door assembly								-	-	-	-
A4.5.8.15.	Spin stop pad								-	-	-	-
A4.5.8.16.	Torque link assembly								-	-	-	-
A4.5.8.17.	Torque link pin	*							-	-	-	-
A4.5.8.18.	Wheel and tire assembly											
A4.5.8.18.1.	Main	*							2b	-	-	-
A4.5.8.18.2.	Nose	*							2b	-	-	-
A4.5.8.19.	Selector valve								-	-	-	-
A4.5.8.20.	Pneumatic reservoir								-	-	-	-
A4.5.8.21.	Brake assembly		*						2b	-	-	-
A4.5.8.22.	Brake control valve								-	-	-	-
A4.5.8.23.	Alternate/Emergency landing gear control valve								-	-	-	-
A4.5.8.24.	Arresting hook pneumatic valve								-	-	-	-
A4.5.8.25.	Wheel speed sensor								-	-	-	-
A4.5.8.26.	Arresting hook pneumatic actuator								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.5.8.27.	Arresting hook assembly								-	-	-	-
A4.5.8.28.	Pneumatic charging valve								2b	-	-	-
A4.5.8.29.	Rudder pedal assembly								-	-	-	-
A4.5.8.30.	NWS actuator								-	-	-	-
A4.5.9.	Adjust											
A4.5.9.1.	Uplock mechanism								-	-	-	-
A4.5.9.2.	Arresting hook								-	-	-	-
A4.5.10.	Service											
A4.5.10.1.	Shock strut	*							2b	-	-	-
A4.5.10.2.	Alternate landing gear/arresting hook pneumatic reservoir								2b	-	-	-
A4.5.10.3.	Tires	*							3c	-	-	-
A4.5.11.	Determine serviceability of tires	*							3c	-	-	-
A4.5.12.	Bleed brakes								2b	-	-	-
A4.5.13.	Perform operational check											
A4.5.13.1.	Basic landing gear system											
A4.5.13.1.1.	Team member								1a	-	-	-
A4.5.13.1.2.	Supervisor		*/R						-	-	-	-
A4.5.13.2.	Alternate/emergency landing gear system											
A4.5.13.2.1.	Team member								-	-	-	-
A4.5.13.2.2.	Supervisor								-	-	-	-
A4.5.13.3.	Brakes								-	-	-	-
A4.5.13.4.	Arresting hook								2b	-	-	-
A4.5.13.5.	NWS system								-	-	-	-
A4.5.14.	Troubleshoot landing gear								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.6.	**FIRE AND OVERHEAT DETECTION SYSTEM TR:Applicable -2 TOs**											
A4.6.1.	Fire and overheat detection components and system operation								A	B	-	-
A4.6.2.	Inspect sensing elements TR: TO 1F-16()-6-()								-	-	-	-
A4.6.3.	Perform fire and overheat operational check								-	-	-	-
A4.7.	**FUEL INERTING SYSTEM TR: Applicable -2 TOs**											
A4.7.1.	Fuel inerting system components and operation								A	B	-	-
A4.7.2.	Remove/inspect/install halon reservoir								2b	-	-	-
A4.8.	**LIQUID OXYGEN SYSTEM TR: Applicable -2 TOs**											
A4.8.1.	Liquid oxygen components and system operation								A	B	-	-
A4.8.2.	Purging requirements								A	-	-	-
A4.8.3.	Service LOX converter TR: TOs 00-25-172; 1F-16()-2	*							2b	-	-	-
A4.8.4. use	LOX servicing equipment pre-inspection TR: 37C2-8, 15X-1-1	*							2b	-	-	-
A4.8.5.	Operate LOX servicing equipment TR: 37C2-8, 15X-1-1	*							2b	-	-	-
A4.8.6.	Remove/inspect/install converter	*							2b	-	-	-
A4.8.7.	Perform operational check								-	-	-	-
A4.8.8.	Remove/inspect/install Onboard Oxygen Generating Systems (OBOGS) components								-	-	-	-
A4.9.	**AIRCRAFT RECORDING SYSTEM TR: Applicable -2 TOs**											
A4.9.1.	Perform Airborne Video Tape Recording (AVTR) cartridge replacement								-	-	-	-
A4.9.2	Perform digital video recorder cartridge replacement								-	-	-	-
A4.10.	**FLIGHT CONTROL SYSTEM TR: Applicable -2 TOs**											
A4.10.1.	Leading edge flap components and system operation								A	B	-	-
A4.10.2.	Rudder components and system operation								A	B	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.10.3.	Horizontal stabilizer components								A	B	-	-
A4.10.4.	Flaperon components and system operation								A	B	-	-
A4.10.5.	Speedbrake components and system operation								A	B	-	-
A4.10.6.	Remove/inspect/install											
A4.10.6.1.	Leading edge flap								-	-	-	-
A4.10.6.2.	Rotary actuator								-	-	-	-
A4.10.6.3.	Torque shaft								-	-	-	-
A4.10.6.4.	Asymmetry brake								-	-	-	-
A4.10.6.5.	Power drive unit (PDU)								-	-	-	-
A4.10.6.6.	Command servo assembly								-	-	-	-
A4.10.6.7.	Angle gearbox								-	-	-	-
A4.10.6.8.	Rudder assembly								-	-	-	-
A4.10.6.9.	Horizontal stabilizer assembly								-	-	-	-
A4.10.6.10.	Stabilizer bearing set								-	-	-	-
A4.10.6.11.	Flaperon assembly								-	-	-	-
A4.10.6.12.	Speedbrake assembly								-	-	-	-
A4.10.6.13.	Speedbrake actuator								-	-	-	-
A4.10.6.14.	Speedbrake control valve								-	-	-	-
A4.10.6.15.	Remove/inspect/install Integrated Servo Actuator (ISA)											
A4.10.6.15.1.	Rudder								-	-	-	-
A4.10.6.15.2.	Flaperon								-	-	-	-
A4.10.6.15.3.	Horizontal stabilizer								-	-	-	-
A4.10.7.	Service											
A4.10.7.1.	PDU oil								-	-	-	-
A4.10.7.2.	Flight control accumulator								2b	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.10.8.	Rig											
A4.10.8.1.	Asymmetry brakes								-	-	-	-
A4.10.8.2.	Leading edge flaps								-	-	-	-
A4.10.8.3.	Flaperon								-	-	-	-
A4.10.8.4.	Horizontal stabilizer								-	-	-	-
A4.10.8.5.	Rudder								-	-	-	-
A4.10.9.	Perform operational check											
A4.10.9.1.	Leading edge flaps								-	-	-	-
A4.10.9.2.	Rudder								-	-	-	-
A4.10.9.3.	Horizontal stabilizer								-	-	-	-
A4.10.9.4.	Flaperons								-	-	-	-
A4.10.9.5.	Speed brakes								-	-	-	-
A4.10.9.6.	Manual trim								-	-	-	-
A4.10.9.7.	System self-test								-	-	-	-
A4.10.10.	Troubleshoot flight controls								-	-	-	-
A4.11.	**FUEL SYSTEM TR: Applicable AFOSH Stds; Applicable -2 TOs**											
A4.11.1.	Fuel components and system operation								A	B	-	-
A4.11.2.	Inflight refuel components and system operation								A	B	-	-
A4.11.3.	Remove/inspect/install											
A4.11.3.1.	External fuel tank assembly	*							2b	-	-	-
A4.11.3.2.	Centerline external tank assembly	*							2b	-	-	-
A4.11.3.3.	Slipway door assembly								-	-	-	-
A4.11.3.4.	Slipway door actuator								-	-	-	-
A4.11.3.5.	Slipway door control valve								-	-	-	-
A4.11.4.	Adjust slipway door								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.11.5.	Classification of fuel leaks								A	B	-	-
A4.11.6.	Service											
A4.11.6.1.	Refuel aircraft without external power	*							3c	-	-	-
A4.11.6.2.	Refuel aircraft with external power											
A4.11.6.2.1.	Team member								-	-	-	-
A4.11.6.2.2.	Supervisor								-	-	-	-
A4.11.6.3.	Refuel aircraft (engine operating)											
A4.11.6.3.1.	Team member								-	-	-	-
A4.11.6.3.2.	Supervisor								-	-	-	-
A4.11.6.3.3.	Evaluator/trainer								-	-	-	-
A4.11.6.4.	Defuel aircraft											
A4.11.6.4.1.	Team member	*							1a	-	-	-
A4.11.6.4.2.	Supervisor		*						-	-	-	-
A4.11.6.5.	Over-the-wing refuel											
A4.11.6.5.1.	Team member								1a	-	-	-
A4.11.6.5.2.	Supervisor								-	-	-	-
A4.11.6.6.	External tanks defueling (Suction)											
A4.11.6.6.1.	Team member								1a	-	-	-
A4.11.6.6.2.	Supervisor								-	-	-	-
A4.11.7.	Perform operational check											
A4.11.7.1.	Internal transfer								-	-	-	-
A4.11.7.2.	External transfer	*							-	-	-	-
A4.11.7.3.	Fuel quantity select switch								-	-	-	-
A4.11.8.	Aerial refuel slipway door assembly checkout								-	-	-	-
A4.11.9.	Troubleshoot fuel system								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.12.	**HYDRAULIC POWER SYSTEM TR: Applicable –2 TOs**											
A4.12.1.	Hydraulic components and system operation								A	B	-	-
A4.12.2.	Remove/inspect/install											
A4.12.2.1.	Pump								-	-	-	-
A4.12.2.2.	Manifold assembly								-	-	-	-
A4.12.2.3.	Transmitter								-	-	-	-
A4.12.2.4.	Filter/assembly	*							2b	-	-	-
A4.12.2.5.	Delta P	*							2b	-	-	-
A4.12.2.6.	Hydraulic reservoir								-	-	-	-
A4.12.2.7.	Reservoir accumulators								-	-	-	-
A4.12.2.8.	Flight control accumulators								-	-	-	-
A4.12.2.9.	Cockpit indicators								-	-	-	-
A4.12.2.10.	Accumulator pressure gauges								-	-	-	-
A4.12.3.	Connect and disconnect hydraulic tubing/hoses and fittings								2b	-	-	-
A4.12.4.	Service reservoir accumulator	*							2b	-	-	-
A4.12.5.	Hydraulic reservoir											
A4.12.5.1.	Drain								-	-	-	-
A4.12.5.2.	Flush								-	-	-	-
A4.12.5.3.	Bleed	*							-	-	-	-
A4.12.5.4.	Service (Static)	*							2b	-	-	-
A4.12.5.5.	Service (Engine operating)	*							b	-	-	-
A4.12.6.	Obtain fluid sample								-	-	-	-
A4.12.7.	Perform operational check								-	-	-	-
A4.12.8.	Troubleshoot hydraulic system								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.13.	**ACCESSORY DRIVE AND ENGINE START SYSTEM TR: Applicable -2 TOs**											
A4.13.1.	Accessory Drive Gearbox (ADG) components and system operation								A	A	-	B
A4.13.2.	Engine Start System (ESS) components and system operation								A	A	-	B
A4.13.2.1.	Engine Start System tester								-	-	-	-
A4.13.2.2.	Digital Engine Start System Control (DESSC) tester								-	-	-	-
A4.13.2.3.	Track DESSC data								-	-	-	-
A4.13.3.	Troubleshoot engine start system								-	-	-	-
A4.13.4.	Remove/inspect/install											
A4.13.4.1.	Jet Fuel Starter (JFS)								2b	-	-	-
A4.13.4.2.	Engine and jet start panel								-	-	-	-
A4.13.4.3.	Fuel control								-	-	-	-
A4.13.4.4	Fuel control filter								-	-	-	-
A4.13.4.5.	Clutch servo valve								-	-	-	-
A4.13.4.6.	Thermocouple harness								-	-	-	-
A4.13.4.7.	Hydraulic fuse								-	-	-	-
A4.13.4.8.	Delay valve								-	-	-	-
A4.13.4.9.	Door control valve								-	-	-	-
A4.13.4.10.	Hand pump								-	-	-	-
A4.13.4.11.	Hydraulic start motor								-	-	-	-
A4.13.4.12.	Hydraulic start manifold								-	-	-	-
A4.13.4.13.	JFS Emergency Brake accumulator								-	-	-	-
A4.13.4.14.	JFS fuel valves								-	-	-	-
A4.13.4.15.	JFS start fuel nozzle								-	-	-	-
A4.13.4.16.	JFS exciter								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.13.4.17. JFS hydraulic solenoid valves								-	-	-	-
A4.13.4.18. Engine start system (ESS) controller								-	-	-	-
A4.13.4.19. ADG											
A4.13.4.19.1. Power take-off shaft								2b	-	-	-
A4.13.4.19.2. Oil filters								2b	-	-	-
A4.13.4.19.3. Magnetic chip detectors								-	-	-	-
A4.13.4.19.4. Differential pressure indicators (Delta P)								-	-	-	-
A4.13.4.19.5 Garlock seals											
A4.13.4.19.6. Speed sensors (JFS/PTO)								-	-	-	-
A4.13.5. Service											
A4.13.5.1. JFS emergency Brake accumulator	*							2b	-	-	-
A4.13.5.2. Accessory drive gearbox oil	*							2b	-	-	-
A.3.13.6. Remove/inspect/install											
A4.13.6.1. Throttle quadrant								-	-	-	-
A4.13.6.2. Interconnect cable								-	-	-	-
A4.13.6.3. Rack assembly								-	-	-	-
A4.13.7. Rig throttle								-	-	-	-
A4.13.8. Perform throttle inspection	*							-	-	-	-
A4.14. ENGINE (General Electric) TR: Applicable –2 TOs AFOSH Stds 91-100, 91-66											
A4.14.1. Engine components and system operation								A	B	-	-
A4.14.2. Engine monitoring system											
A4.14.2.1. Engine monitoring components and system operation								A	-	-	-
A4.14.2.2. Use Comprehensive Engine Management System (CEMS IV)								-	-	-	-
A4.14.2.3. Retrieve engine monitoring data								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.14.2.4.	Analyze data								-	-	-	-
A4.14.3.	Engine power control components and system operation								A	-	-	-
A4.14.4.	Engine oil system								A	-	-	-
A4.14.5.	Take engine oil sample TR: TOs 42B2-1-9; 33-1-37	*							-	-	-	-
A4.14.6.	Remove/inspect/install											
A4.14.6.1.	Engine		*R						-	-	-	-
A4.14.6.2.	Anti-ice valve								-	-	-	-
A4.14.6.3.	Main igniter								-	-	-	-
A4.14.6.4.	Augmenter igniter								-	-	-	-
A4.14.6.5.	Digital electronic control (DEC)								-	-	-	-
A4.14.6.6.	Main Engine Control (MEC)								-	-	-	-
A4.14.6.7.	Fuel Filter								-	-	-	-
A4.14.6.8.	Oil Filters								-	-	-	-
A4.14.6.9.	Oil tank								-	-	-	-
A4.14.6.10.	Oil pump								-	-	-	-
A4.14.6.11.	Fuel oil cooler								-	-	-	-
A4.14.6.12.	Oil pressure transmitter								-	-	-	-
A4.14.6.13.	Main fuel pump								-	-	-	-
A4.14.6.14.	Fuel boost pump								-	-	-	-
A4.14.6.15.	Augmenter fuel pump								-	-	-	-
A4.14.6.16.	Augmenter Fuel Control								-	-	-	-
A4.14.6.17.	Ignition exciter								-	-	-	-
A4.14.6.18.	Ignition leads								-	-	-	-
A4.14.6.19.	Alternator/Stator generator								-	-	-	-
A4.14.6.20.	Electrical harnesses								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.14.6.21. Engine plumbing								-	-	-	-
A4.14.6.22. Signal data converter								-	-	-	-
A4.14.6.23. Engine warning control unit								-	-	-	-
A4.14.6.24. Lube and scavenge pump								-	-	-	-
A4.14.6.25. Engine oil level sensor and temperature switch								-	-	-	-
A4.14.6.26. Fan Inlet Guide Vane (IGV) actuators								-	-	-	-
A4.14.6.27. Variable Stator Vane (VSV) actuators								-	-	-	-
A4.14.6.28. VSV feedback cable								-	-	-	-
A4.14.6.29. Engine hydraulic oil pump								-	-	-	-
A4.14.6.30. Local fuel distributors								-	-	-	-
A4.14.6.31. Core distributors								-	-	-	-
A4.14.6.32. Fan distributors								-	-	-	-
A4.14.6.33. Exhaust nozzle hydraulic Actuators								-	-	-	-
A4.14.6.34. Exhaust nozzle Linear Variable Differential Transducer (LVDT)								-	-	-	-
A4.14.6.35. Engine Monitoring System Computer (EMSC)								-	-	-	-
A4.14.6.36. Engine Monitoring System Processor (EMSP)								-	-	-	-
A4.14.6.37. Engine monitor system ground test panel								-	-	-	-
A4.14.6.38. Augmenter/exhaust nozzle											
A4.14.6.38.1. Divergent nozzle segment/ divergent flap								-	-	-	-
A4.14.6.38.2. Divergent nozzle seal segment/divergent seal								-	-	-	-
A4.14.6.38.3. External nozzle segment/outer flap								-	-	-	-
A4.14.6.38.4. Convergent nozzle segment liner/primary flap								-	-	-	-
A4.14.6.38.5. Convergent nozzle segment seal line/primary seal								-	-	-	-
A4.14.6.38.6. Liner								-	-	-	-
A4.14.6.38.7. Flameholder								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.14.6.39. Engine sensors											
A4.14.6.39.1. Flame Sensor								-	-	-	-
A4.14.6.39.2. Fan inlet temperature sensor (T2)								-	-	-	-
A4.14.6.39.3. Fan discharge temperature sensor (T2.5)								-	-	-	-
A4.14.6.39.4. T4B pyrometer								-	-	-	-
A4.14.6.39.5. T5.6 thermocouple								-	-	-	-
A4.14.6.39.6. Anti-ice probe								-	-	-	-
A4.14.6.39.7. Low oil pressure switch								-	-	-	-
A4.14.6.39.8. Engine oil level sensor and temperature switch								-	-	-	-
A4.14.6.39.9. Engine oil differential pressure s witch								-	-	-	-
A4.14.7. Inspect engine bay		*						-	-	-	-
A4.14.8. Inspect and clean flame sensor	*							2b	-	-	-
A4.14.9. Perform engine borescope inspection								-	-	-	-
A4.14.10. Use engine warning tester								-	-	-	-
A4.14.11. Rig											
A4.14.11.1. Exhaust nozzle Linear Variable Differential Transducer (LVDT)								-	-	-	-
A4.14.11.2. Inlet Guide Vanes (IGV)								-	-	-	-
A4.14.11.3. Variable Stator Vanes (VSV)								-	-	-	-
A4.14.12. Service engine oil	*							-	-	-	-
A4.14.13. Inspect engine, fan, and exhaust											
A4.14.13.1. Engine pre-installation (Eng -6)		*/R						-	-	-	-
A4.14.13.2. Inlet fan blades								-	-	-	-
A4.14.13.3. Exhaust section								-	-	-	-
A4.14.14. Blend engine fan blades								-	-	-	-
A4.14.15. Inspect engine magnetic chip detector(s) TR: Applicable -2 TOs	*							-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.14.16.	Troubleshoot engine malfunction								-	-	-	-
A4.14.17.	Engine run											
A4.14.17.1.	Perform engine intake and exhaust inspection								-	-	-	-
A4.14.17.2.	Perform engine run operation (Low power)								-	-	-	-
A4.14.17.3.	Perform engine run operation (High power/restrained)								-	-	-	-
A4.14.17.4.	Perform engine and associated systems leak and operational check								-	-	-	-
A4.15.	**ENGINE (Pratt and Whitney) TR: Applicable -2 TOs AFOSH Std 91- 100**											
A4.15.1.	Engine components and system operation								A	B	-	-
A4.15.2.	Engine monitoring system											
A4.15.2.1.	Engine monitoring components and system operation								A	-	-	-
A4.15.2.2	Retrieve engine monitoring data using Common Engine Transfer system (CETS)								-	-	-	-
A4.15.2.3.	Retrieve engine monitoring data using Data Transfer Set (DTS)								-	-	-	-
A4.15.2.4.	Analyze data								-	-	-	-
A4.15.3.	Engine power control component and system operation								A	-	-	-
A4.15.4.	Engine oil system								A	-	-	-
A4.15.5.	Take engine oil sample TR: TOs 42B2-1-9; 33-1-37	*							3c	-	-	-
A4.15.6.	Remove/inspect/install											
A4.15.6.1.	Fuel filter								2b	-	-	-
A4.15.6.2.	Oil filter								2b	-	-	-
A4.15.6.3.	Oil tank								-	-	-	-
A4.15.6.4.	Oil Pump								-	-	-	-
A4.15.6.5.	Fuel oil cooler								-	-	-	-
A4.15.6.6.	Oil pressure transmitter								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.15.6.7. Engine		*R						-	-	-	-
A4.15.6.8. Anti-ice valve								-	-	-	-
A4.15.6.9. Main Igniter								-	-	-	-
A4.15.6.10. Augmenter igniter								-	-	-	-
A4.15.6.11. Main fuel pump								-	-	-	-
A4.15.6.12. Augmenter fuel pump								-	-	-	-
A4.15.6.13. Main fuel control								-	-	-	-
A4.15.6.14. Augmenter fuel control								-	-	-	-
A4.15.6.15. Ignition exciter								-	-	-	-
A4.15.6.16. Ignition leads								-	-	-	-
A4.15.6.17. Alternator/stator generator								-	-	-	-
A4.15.6.18. Electrical harnesses								-	-	-	-
A4.15.6.19. Engine plumbing								-	-	-	-
A4.15.6.20. Augmenter/exhaust nozzle components											
A4.15.6.20.1. Divergent nozzle segment/ divergent flap								-	-	-	-
A4.15.6.20.2. Divergent nozzle seal segment/ divergent seal								-	-	-	-
A4.15.6.20.3. External nozzle segment/outer flap								-	-	-	-
A4.15.6.20.4. Convergent nozzle segment liner/primary flap								-	-	-	-
A4.15.6.20.5. Convergent nozzle segment seal line/primary seal								-	-	-	-
A4.15.6.20.6. Liner								-	-	-	-
A4.15.6.20.7. Flameholder								-	-	-	-
A4.15.6.21. Electronic control systems components											
A4.15.6.21.1. Digital Electronic Engine Control (DEEC)								-	-	-	-
A4.15.6.21.2. Electronic Engine Control (EEC)								-	-	-	-
A4.15.6.21.3. Engine Diagnostic Unit (EDU)								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.15.6.21.4. Convergent Exhaust Nozzle Control (CENC)								-	-	-	-
A4.15.6.21.5. Flex shaft (Pratt & Whitney)								-	-	-	-
A4.15.6.22. Sensors											
A4.15.6.22.1. Light-off detector								-	-	-	-
A4.15.6.22.2. Dual/quad/fan-speed (N-1)								-	-	-	-
A4.15.6.22.3. N-2 speed sensor								-	-	-	-
A4.15.6.22.4. Fan Turbine Inlet Temperature(FTIT) probe								-	-	-	-
A4.15.6.22.5. Anti-ice probe								-	-	-	-
A4.15.6.22.6. Total Temperature 2 (TT2)								-	-	-	-
A4.15.6.22.7. PS-2 probe								-	-	-	-
A4.15.6.22.8. Low oil pressure switch								-	-	-	-
A4.15.6.23. Signal data converter								-	-	-	-
A4.15.6.24. Engine warning control unit								-	-	-	-
A4.15.6.25. Lube and scavenge pump								-	-	-	-
A4.15.6.26. Engine oil level sensor and temperature switch.								-	-	-	-
A4.15.7. Inspect engine bay		*						-	-	-	-
A4.15.8. Inspect and clean light off detector	*							-	-	-	-
A4.15.9. Perform engine borescope inspection								-	-	-	-
A4.15.10. Use special test equipment											
A4.15.10.1. Ignition tester								-	-	-	-
A4.15.10.2. Engine warning tester								-	-	-	-
A4.15.11. Service engine oil	*							3c	-	-	-
A4.15.12. Blend engine fan blades								-	-	-	-
A4.15.13. Inspect											
A4.15.13.1. Inspect engine magnetic chip detector(s) TR: Applicable -2 TOs	*							2b	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.15.13.2.	Engine pre-installation (Eng-6)		*/R						-	-	-	-
A4.15.13.3.	Inlet fan blades								-	-	-	-
A4.15.13.4.	Exhaust section								-	-	-	-
A4.15.14.	Rig											
A4.15.14.1.	Convergent Exhaust Nozzle Control (CENC)								-	-	-	-
A4.15.14.2.	Compressor Inlet Variable Vanes								-	-	-	-
A4.15.14.3.	Rear Compressor Variable Vanes								-	-	-	-
A4.15.15.	Troubleshoot engine malfunction								-	-	-	-
A4.15.16.	Engine run											
A4.15.16.1.	Perform engine intake and exhaust inspection								-	-	-	-
A4.15.16.2.	Perform engine run operation (Low power High power/restrained) TR: 1F-16()-2-70JG-00-()								-	-	-	-
A4.15.16.3.	Perform engine and associated systems leak and operational check TR: 1F-16()-2-70FI-00-1								-	-	-	-
A4.16.	**ENGINE: (Common)**											
A4.16.1.	Aircraft restraining devices TR: 1F-16()-2-70JG-00-12											
A4.16.1.1.	Remove								-	-	-	-
A4.16.1.2.	Install								-	-	-	-
A4.16.1.3.	Inspect								-	-	-	-
A4.16.2.	Anti-personnel screen (run screen) TR: 1F-16()-2-70JG-00-()											
A4.16.2.1.	Inspect								-	-	-	-
A4.16.2.2.	Install								-	-	-	-
A4.16.2.3.	Remove								-	-	-	-
A4.17.	**ELECTRICAL SYSTEM TR: Applicable -2 TOs**											

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.17.1.	Electrical components and system operation								A	A	-	B
A4.17.2.	Connect/apply external power	*							3c	-	-	-
A4.17.3.	Disconnect external power	*							3c	-	-	-
A4.17.4.	Remove, inspect and install											
A4.17.4.1.	Batteries	*							2b	-	-	-
A4.17.4.2.	Light lenses								2b	-	-	-
A4.17.4.3.	Light lamps								2b	-	-	-
A4.17.5.	Operate											
A4.17.5.1.	Interior lighting								2b	-	-	-
A4.17.5.2.	Exterior lighting								2b	-	-	-
A4.17.5.3.	Night Vision Imaging (NVI) system											
A4.17.5.3.1.	Interior								-	-	-	-
A4.17.5.3.2.	Exterior								-	-	-	-
A4.17.6.	Service constant speed drive (CSD)	*							2b	-	-	-
A4.17.7.	Remove and replace CSD system filters								-	-	-	-
A4.17.8.	Troubleshoot								-	-	-	-
A4.18.	**SUPPORT EQUIPMENT TR: AFOSH Std. 91-100; Applicable TOs**											
A4.18.1.	F-16 hand steering bar TR: TO 35B5 Series											
A4.18.1.1.	Perform pre-use inspection								-	-	-	-
A4.18.1.2.	Use								-	-	-	-
A4.18.2.	Fuel tank installation and removal dollies											
A4.18.2.1.	Pre-use inspection								2b	-	-	-
A4.18.2.2.	Use								2b	-	-	-
A4.18.3.	Fuel tank removal and installation stores loader/lift truck											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	**A**	**B**	**A**	**B**	**C**	**D**	**E**	**A** 3 Skill Level	**B** 5 Skill Level	**C** 7 Skill Level	
	5	**7**	**Training Start**	**Training Complete**	**Trainee Initials**	**Trainer Initials**	**Cert Initials**	**(1)** Crse	**(1)** CDC	**(1)** Crse	**(2)** CDC
A4.18.3.1. Pre-use inspection								2b	-	-	-
A4.18.3.2. Use								2b	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2)

NOTE 1: Use this attachment in conjunction with STS 2A3X3 attachment 2.

NOTE 2: All task/knowledge taught in the initial skills course trained in the resident wartime courses.

NOTE 3: Items in column 2 marked with an asterisk (*) are the core tasks for either the 5 or 7 skill level and are required for upgrade. Items marked with an (*/R) are not required by AFRC and ANG for upgrade.

A5.1	**AIRCRAFT GENERAL TR: Applicable TOs**											
A5.1.1	Phased inspection concept and inspections											
A5.1.1.1	Phased inspection concept								A	-	-	-
A5.1.1.2	Perform inspections											
A5.1.1.2.1	Phase								-	-	-	-
A5.1.1.2.2	Preflight	*							3c	-	-	-
A5.1.1.2.3	Thruflight	*							3c	-	-	-
A5.1.1.2.4	Basic Postflight	*							3c	-	-	-
A5.1.1.2.5	Combined preflight/postflight	*							3c	-	-	-
A5.1.1.2.6	End of runway								-	-	-	-
A5.1.1.2.7	Special								-	-	-	-
A5.1.1.2.8	Gun bay								-	-	-	-
A5.1.1.2.9	Acceptance								-	-	-	-
A5.1.1.2.10	Calendar								-	-	-	-
A5.1.1.2.11	Time replacement item								-	-	-	-
A5.1.2	Avionics system components operation								A	-	-	-
A5.1.3	Weapons system components and operation								A	-	-	-
A5.1.4	Aircraft communication equipment TR: TO 1A-10()-2-23JG-2											
A5.1.4.1	Operate UHF								-	-	-	-
A5.1.4.2	Use interphone	*							2b	-	-	-
A5.1.5	Perform ground handling TR: AFI 11-218; AFOSH Standard 91-100, TO 00-25-172											
A5.1.5.1	Launch aircraft	*							2b	-	-	-
A5.1.5.2	Recover aircraft	*							2b	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2)
A5.1.5.3	Marshall aircraft	*							2b	-	-	-
A5.1.5.4	Tow aircraft											
A5.1.5.4.1	Tow team member	*							2b	-	-	-
A5.1.5.4.2	Tow team supervisor		*						-	-	-	-
A5.1.5.4.3	Tow vehicle operator								-	-	-	-
A5.1.5.5	Moor aircraft								-	-	-	-
A5.1.5.6	Jack and level aircraft											
A5.1.5.6.1	Jacking team member	*							2b	-	-	-
A5.1.5.6.2	Jacking supervisor		*						-	-	-	-
A5.1.5.6.3	Axle jacking	*							2b	-	-	-
A5.1.5.7	Prepare aircraft for wash								-	-	-	-
A5.1.5.8	Perform post wash lubrication								2b	-	-	-
A5.1.6	Assist in weight and balance TR: TO 1-1B-50								-	-	-	-
A5.1.7	Safe aircraft for maintenance	*							3c	-	-	-
A5.1.8	Use A-10 technical orders											
A5.1.8.1	Job Guides	*							2b	-	-	-
A5.1.8.2	Work Cards	*							2b	-	-	-
A5.1.8.3	Illustrated Parts Breakdown (IPB)	*							2b	-	-	-
A5.1.8.4	General Equipment	*							2b	-	-	-
A5.1.8.5	Maintenance Supplement								-	B	-	-
A5.1.8.6	Troubleshooting Manual								-	B	-	-
A5.1.9	Document form 278								2b	-	-	-
A5.2	**AIRFRAME SYSTEMS TR: Applicable -2 TOs**											
A5.2.1	Airframe components and construction								A	B	-	-
A5.2.2	Remove/inspect/install open and close airframe components											
A5.2.2.1	Stress panels and doors								2b	-	-	-
A5.2.2.2	Variable ballast								b	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2)
A5.2.2.3	Fixed ballast								b	-	-	-
A5.2.2.4	Outer nacelle doors	*							2b	-	-	-
A5.2.2.5	Inner shrouds	*							2b	-	-	-
A5.2.2.6	Windscreen											
A5.2.2.6.1	Raise and lower	*							2b	-	-	-
A5.2.2.6.2	Remove/inspect/install											
A5.2.2.6.2.1	Left transparency								-	-	-	-
A5.2.2.6.2.2	Right transparency								-	-	-	-
A5.2.2.6.2.3	Center transparency								-	-	-	-
A5.2.2.6.3	Breakdown and buildup								-	-	-	-
A5.2.2.7	Cargo pods								-	-	-	-
A5.3	**LANDING GEAR SYSTEMS TR: Applicable -2 TOs**											
A5.3.1	Landing gear system components and operation								A	B	-	-
A5.3.2	Operate											
A5.3.2.1	Landing gear								1b	-	-	-
A5.3.2.2	Brakes								1b	-	-	-
A5.3.2.3	Steering system								-	-	-	-
A5.3.2.4	Anti-skid system								-	-	-	-
A5.3.2.5	Auxiliary extension system								1a	-	-	-
A5.3.2.6	Emergency brake system	*							2b	-	-	-
A5.3.3	Landing gear struts											
A5.3.3.1	Initial servicing								-	-	-	-
A5.3.3.2	Servicing	*							2b	-	-	-
A5.3.4	Service tires	*							3c	-	-	-
A5.3.5	Lubricate landing gear components								-	-	-	-
A5.3.6	Remove/inspect/install landing gear components											
A5.3.6.1	Nose wheel and tire assembly	*							2b	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2)
A5.3.6.2	Main wheel and tire assembly	*							2b	-	-	-
A5.3.6.3	Dual brake control valve								-	-	-	-
A5.3.6.4	Rig dual brake control valve								-	-	-	-
A5.3.6.5	Brake assembly	*							2b	-	-	-
A5.3.6.6	Bleed brakes	*							1b	-	-	-
A5.3.6.7	NLG strut								-	-	-	-
A5.3.6.8	NLG steering unit								-	-	-	-
A5.3.6.9	NLG actuator								-	-	-	-
A5.3.6.10	MLG strut								-	-	-	-
A5.3.6.11	MLG actuator								-	-	-	-
A5.3.6.12	Emergency Brake								-	-	-	-
A5.3.6.13	Emergency selector valve								-	-	-	-
A5.3.6.14	Emergency brake control valve								-	-	-	-
A5.3.7	Determine serviceability of aircraft tires TR: 4T-1-3	*							2b	-	-	-
A5.3.8	Wheel and tire assembly build-up and tear-down											
A5.3.8.1	Main wheel								-	-	-	-
A5.3.8.2	Nose wheel								-	-	-	-
A5.3.9	Repack landing gear struts								-	-	-	-
A5.3.10	Troubleshoot landing gear systems								-	-	-	-
A5.4	**UTILITY SYSTEMS** **TR: Applicable -2 TOs**											
A5.4.1	Utility system components and operation								A	B	-	-
A5.4.2	**Oxygen system** TR: TOs 00-25-172, 1A-10()-2-12JG-1											
A5.4.2.1	Service	*							2b	-	-	-
A5.4.2.2	Liquid Oxygen (LOX) servicing equipment pre-use inspection	*							2b	-	-	-
A5.4.2.3	Operate LOX Servicing equipment	*							2b	-	-	-
A5.4.2.2	Purge								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2)
A5.4.3	Remove/inspect/install LOX converter	*							2b	-	-	-
A5.5	**FLIGHT CONTROL SYSTEM TR: Applicable -2 TOs**											
A5.5.1	Flight control system components and operation								A	B	-	B
A5.5.2	Operate flight controls											
A5.5.2.1	Normal								-	-	-	-
A5.5.2.2	Manual reversion								-	-	-	-
A5.5.2.3	Perform operational check of flaps								-	-	-	-
A5.5.2.4	Perform operational check of speed brakes								-	-	-	-
A5.5.3	Remove/inspect/install											
A5.5.3.1	Speedbrake boards								-	-	-	-
A5.5.3.2	Aileron servo tabs								-	-	-	-
A5.5.3.3	Roll tab shifter								-	-	-	-
A5.5.3.4	Roll trim actuator								-	-	-	-
A5.5.3.5	Rudders								-	-	-	-
A5.5.3.6	Elevators											
A5.5.3.6.1	Elevator								-	-	-	-
A5.5.3.6.2	Trim tabs								-	-	-	-
A5.5.3.6.3	Pitch linear motors								-	-	-	-
A5.5.3.7	Decelerons											
A5.5.3.7.1	Deceleron								-	-	-	-
A5.5.3.7.2	Speedbrake actuators								-	-	-	-
A5.5.3.7.3	Speedbrake swivels								-	-	-	-
A5.5.3.8	Slats											
A5.5.3.8	Slats								-	-	-	-
A5.5.3.8.1	Rig								-	-	-	-
A5.5.3.8.2	Bell cranks								-	-	-	-
A5.5.3.8.3	Control valve								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2)
A5.5.3.9	Flaps											
A5.5.3.9.1	Flaps								-	-	-	-
A5.5.3.9.2	Actuator								-	-	-	-
A5.5.3.9.3	Actuator control valve								-	-	-	-
A5.5.3.10	Flight control disconnector								-	-	-	-
A5.5.3.11	Flight control bell crank assembly								-	-	-	-
A5.5.3.12	Flight control cables								-	-	-	-
A5.5.4	Inspect flight control system and components TR: TO 1A-10()-6, Applicable -2 series TOs											
A5.5.4.1	Flight control bell crank assembly								-	-	-	-
A5.5.4.2	Flight control cables								-	-	-	-
A5.5.5	Lubricate											
A5.5.5.1	Flight controls								-	-	-	-
A5.5.5.2	Flight control disconnector								-	-	-	-
A5.5.6	Rig flight control systems											
A5.5.6.1	Primary								-	A	-	-
A5.5.6.2	Secondary								-	A	-	-
A5.5.7	Troubleshoot flight control systems											
A5.5.7.1	Primary								-	-	-	-
A5.5.7.2	Secondary								-	-	-	-
A5.6	**HYDRAULIC SYSTEM TR: Applicable -2 TOs**											
A5.6.1	Hydraulic system components and operation TR: Applicable -2 TOs								A	B	-	-
A5.6.2	Service											
A5.6.2.1	Accumulators	*							2b	-	-	-
A5.6.2.2	Reservoir	*							2b	-	-	-
A5.6.3	Bleed								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2)
A5.6.4	Drain hydraulic reservoir								-	-	-	-
A5.6.5	Flush								-	-	-	-
A5.6.6	Fluid sampling								-	-	-	-
A5.6.7	Remove/install/inspect											
A5.6.7.1	Actuators								-	-	-	-
A5.6.7.2	Accumulators								-	-	-	-
A5.6.7.3	Lines								-	-	-	-
A5.6.7.4	Filters								-	-	-	-
A5.6.7.5	Reservoir								-	-	-	-
A5.6.8	Troubleshoot hydraulic system								-	-	-	-
A5.7	**ENGINE SYSTEM TR: Applicable -2 TOs**											
A5.7.1	Engine system components and operation								A	B	-	-
A5.7.2	Remove/inspect/install											
A5.7.2.1	Starter								-	-	-	-
A5.7.2.2	Starter control valve								-	-	-	-
A5.7.2.3	Fuel pump								-	-	-	-
A5.7.2.4	Fuel filter element								-	-	-	-
A5.7.2.5	Fuel control								-	-	-	-
A5.7.2.6	IDG								-	-	-	-
A5.7.2.7	Scavenge filter								-	-	-	-
A5.7.2.8	Oil cooler								-	-	-	-
A5.7.2.9	Charge filter								-	-	-	-
A5.7.2.10	Fan blades								-	-	-	-
A5.7.2.11	Hydraulic pump								-	-	-	-
A5.7.2.12	Pressure transmitter								-	-	-	-
A5.7.2.13	Engine								-	-	-	-
A5.7.2.14	Throttle quadrants								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2)
A5.7.2.15	Throttle cables								-	-	-	-
A5.7.2.16	Rig throttle cables								-	-	-	-
A5.7.2.17	Spinner domes								-	-	-	-
A5.7.2.18	Expansion ring								-	-	-	-
A5.7.2.19	Aft shroud								-	-	-	-
A5.7.2.20	Fuel flow transmitter								-	-	-	-
A5.7.2.21	Oil pressure transmitter								-	-	-	-
A5.7.2.22	Tachometer generator								-	-	-	-
A5.7.2.23	Oil pressure switch								-	-	-	-
A5.7.2.24	Oil filter								-	-	-	-
A5.7.2.25	Igniter plugs								-	-	-	-
A5.7.2.26	Magnetic chip detector								-	-	-	-
A5.7.3	Perform 125 hour engine inspection TR: TO 1A-10()-6								a	-	-	-
A5.7.4	Rig engine components								-	-	-	-
A5.7.5	Take oil sample TR: TOs 42B2-1-9, 33-1-37, 1A-10A-2-12JG-1	*							3c	-	-	-
A5.7.6	Service											
A5.7.6.1	Oil system	*							3c	-	-	-
A5.7.6.2	Integrated Drive Generator (IDG)	*							-	-	-	-
A5.7.7	Drain											
A5.7.7.1	Oil system								-	-	-	-
A5.7.7.2	IDG								-	-	-	-
A5.7.8	Engine water wash								-	-	-	-
A5.7.9	Borescope equipment								-	-	-	-
A5.7.10	Engine hoist and beams								-	-	-	-
A5.7.11	Troubleshoot engine system								-	-	-	-
A5.7.12	Turbine Engine Monitoring System (TEMS)											

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2)
A5.7.12.1	Components and operation								A	A	-	-
A5.7.12.2	Remove/inspect/install components								-	-	-	-
A5.7.12.3	Troubleshoot TEMS								-	-	-	-
A5.7.13	Trim engines								-	-	-	-
A5.7.14	Use vibration analyzer								-	-	-	-
A5.7.15	Auxiliary Power Unit (APU											
A5.7.15.1	APU components and operation								A	A	-	-
A5.7.15.2	Service APU	*							2b	-	-	-
A5.7.15.3	Remove/inspect/install											
A5.7.15.3.1	APU								-	-	-	-
A5.7.15.3.2	Generator								-	-	-	-
A5.7.15.3.3	Fuel control								-	-	-	-
A5.7.15.3.4	Hydraulic pump								-	-	-	-
A5.7.15.3.5	APU control box								-	-	-	-
A5.7.15.3.6	Starter								-	-	-	-
A5.7.15.3.7	Filters								-	-	-	-
A5.7.15.3.8	Ignitor plugs								-	-	-	-
A5.7.15.4	Troubleshoot APU								-	-		
A5.8	**FUEL SYSTEM TR: Applicable –2 TO, TO 00-25-172, Applicable AFOSH Standards**											
A5.8.1	Fuel system components and operation											
A5.8.1.1	Internal								A	B	-	-
A5.8.1.2	External								A	B	-	-
A5.8.2	Refuel aircraft	*							3c	-	-	-
A5.8.3	Defuel aircraft											
A5.8.3.1	Team member	*							1b	-	-	-
A5.8.3.2	Team supervisor		*						-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2)
A5.8.4	Remove/inspect/install external fuel tanks								-	-	-	-
A5.8.5	Leak and transfer check								-	-	-	-
A5.8.6	Universal Aerial Refueling Receptacle Slipway Installation (UARRSI)											
A5.8.6.1	UARRSI system components and operation								A	-	-	-
A5.8.6.2	Inspect system components								-	-	-	-
A5.9	**ELECTRICAL SYSTEM TR: Applicable -2 TOs**											
A5.9.1	Electrical system components and operation								A	B	-	-
A5.9.2	Operate lighting system											
A5.9.2.1	Internal								2b	-	-	-
A5.9.2.2	External								2b	-	-	-
A5.9.3	Remove/inspect/install											
A5.9.3.1	External light lenses								-	-	-	-
A5.9.3.2	Internal light lenses								-	-	-	-
A5.9.3.3	External light bulbs								-	-	-	-
A5.9.3.4	Internal light bulbs								-	-	-	-
A5.9.3.3	Battery	*							3c	-	-	-
A5.9.4	Use wiring diagrams								-	-	-	-
A5.9.5	Connect, apply, and disconnect external electrical power	*							3c	-	-	-
A5.10	**EGRESS SYSTEM TR: Applicable -2 TOs**											
A5.10.1	Egress system components and operation								A	-	-	-
A5.10.2	Perform cockpit entry procedures	*							3c	-	-	-
A5.10.3	Remove/inspect/install seat and canopy pins	*							3c	-	-	-
A5.10.4	Operate canopy system											
A5.10.4.1	Normal	*							3c	-	-	-
A5.10.4.2	Manual	*							3c	-	-	-
A5.10.4.3	Seat operation								3c	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2)
A5.10.5	Canopy											
A5.10.5.1	Remove/inspect/install								-	-	-	-
A5.10.5.2	Actuator								-	-	-	-
A5.10.5.3	Rig								-	-	-	-

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	**A**	**B**	**A**	**B**	**C**	**D**	**E**	**A** 3 Skill Level	**B** 5 Skill Level	**C** 7 Skill Level	
	5	**7**	**Tng Start**	**Tng Complete**	**Trainee Initials**	**Trainer Initials**	**Cert Initials**	**(1)** Crse	**(1)** CDC	**(1)** Crse	**(2)** CDC
NOTE 1: Use this attachment in conjunction with STS 2A3X3 attachment 2. NOTE 2: All task/knowledge taught in the initial skills course trained in the resident wartime courses. NOTE 3: Items in column 2 marked with an asterisk (*) are the core tasks for either the 5 or 7 skill level and are required for upgrade. Items marked with an (*/R) are not required by AFRC and ANG for upgrade.											
A7.1. AIRCRAFT GENERAL											
A7.1.1. Periodic inspection concept and inspections TR: TO 00-20-1; TM U-2S-6WC- 1PRPO, U-2S-6											
A7.1.1.1. Periodic inspection concept								A	A	-	-
A7.1.1.2. Perform inspections											
A7.1.1.2.1. Periodic								-	-	-	-
A7.1.1.2.2. Preflight	*							2b	-	-	-
A7.1.1.2.3. Thruflight	*							2b	-	-	-
A7.1.1.2.4. Pogo runway											
A7.1.1.2.4.1. Team supervisor.								-	-	-	-
A7.1.1.2.4.2. Team member	*							3c	-	-	-
A7.1.1.2.5. Basic postflight	*							2b	-	-	-
A7.1.1.2.6 Combine BPO/Pre-flight	*							2b	-	-	-
A7.1.1.2.7. Hourly postflight								-	-	-	-
A7.1.1.2.8. Special								-	-	-	-
A7.1.1.2.9. Hard/abnormal landing								-	-	-	-
A7.1.1.2.10. Airframe overspeed								-	-	-	-
A7.1.1.2.11. Engine bay		*						-	-	-	-
A7.1.1.2.12 Aft section		*						-	-	-	-
A7.1.1.2.13. Acceptance								-	-	-	-
A7.1.1.2.14. Calendar								-	-	-	-
A7.1.1.2.15 Prelaunch inspection								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A7.1.2. Aircraft communications TR: AFOSH 91-100; TO 00-25-172; TM U-2S-2-10 Vol. 1											
A7.1.2.1. Operate U-2S UHF radio								-	-	-	-
A7.1.2.2. Operate U-2ST UHF radio								-	-	-	-
A7.1.2.3. Use U-2S interphone	*							2b	-	-	-
A7.1.2.4. Use U-2ST interphone	*							2b	-	-	-
A7.1.3. Perform ground handling TR: AFI 11-218; AFOSH Std 91-100, TOs 00-25 -172,00-5-1, TM U-2S-2-1											
A7.1.3.1. Launch aircraft	*							3c	-	-	-
A7.1.3.2. Recover aircraft	*							3c	-	-	-
A7.1.3.3. Marshall aircraft	*							3c	-	-	-
A7.1.3.4. Wing riding member								-	-	-	-
A7.1.3.5. Wing riding supervisor								-	-	-	-
A7.1.3.6. Hand launch member								-	-	-	-
A7.1.3.7. Hand launch supervisor								-	-	-	-
A7.1.3.8. Aircraft push-back member								-	-	-	-
A7.1.3.9. Aircraft push-back supervisor								-	-	-	-
A7.1.3.10 Remove/install ground cooling kit								-	-	-	-
A7.1.3.11. Tow aircraft											
A7.1.3.11.1. Tow team member	*							3c	-	-	-
A7.1.3.11.2. Tow vehicle operator								-	-	-	-
A7.1.3.11.3. Tow team supervisor		*						-	-	-	-
A7.1.3.12. Moor aircraft								3c	-	-	-
A7.1.3.13. Level aircraft								-	-	-	-
A7.1.3.14. Jack aircraft											
A7.1.3.14.1 Main landing gear								2b	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	**A**	**B**	**A**	**B**	**C**	**D**	**E**	**A** 3 Skill Level	**B** 5 Skill Level	**C** 7 Skill Level	
	5	**7**	**Tng Start**	**Tng Complete**	**Trainee Initials**	**Trainer Initials**	**Cert Initials**	**(1)** Crse	**(1)** CDC	**(1)** Crse	**(2)** CDC
A7.1.3.14.2 Tail landing gear								2b	-	-	-
A7.1.3.15. Cart aircraft											
A7.1.3.15.1. RG130 cart team member	*							-	-	-	-
A7.1.3.15.2. RG130 cart team supervisor		*						-	-	-	-
A7.1.3.16. Upload and download ballast											
A7.1.3.16.1. RG1124 ballast								-	-	-	-
A7.1.3.16.2. RG1125 ballast								-	-	-	-
A7.1.3.16.3. RG105 Q-Bay ballast								2b	-	-	-
A7.1.3.17. Safe aircraft for maintenance	*							3c	-	-	-
A7.1.3.18. U-2 technical manuals	*							3c	A	-	-
A7.1.3.19. Wash aircraft								-	-	-	-
A7.1.3.20. Lubricate aircraft								-	-	-	-
A7.1.4. Complete course J6ANW2AXXX 0W1A	*							-	-	-	-
A7.1.5. Debrief aircrew								-	-	-	-
A7.1.6. Aircraft weight and balance TR: TO 1-1B-50, TM: U-2S-5											
A7.1.6.1. Compute weight and balance	*							-	A	-	-
A7.1.6.2. Verify weight and balance		*						-	-	-	B
A7.2. AIRFRAME SYSTEMS TR: TM U-2S-2-1, -2, and -12, U-2S-6WC-1EB											
A7.2.1. Airframe components and construction								A	A	-	-
A7.2.2. Cadmium precautions								A	B	-	-
A7.2.3. Remove/inspect/install											
A7.2.3.1. Ground safety devices	*							3c	-	-	-
A7.2.3.2. Nose (RX69-10)								2b	-	-	-
A7.2.3.3. Doors and fairings	*							-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A7.2.3.4.	Hatches	*							2b	-	-	-
A7.2.3.5.	Access panels	*							3c	-	-	-
A7.2.3.6.	Electrical bond grounding								-	-	-	-
A7.2.3.7.	Aft section								-	-	-	-
A7.2.3.8.	Superpods								-	-	-	-
A7.2.3.9.	Gust locks								-	-	-	-
A7.2.3.10	Pilot's relief tank								-	-	-	-
A7.2.3.11.	Pogo socket								-	-	-	-
A7.2.3.12.	Engine bay -6 inspection		*						-	-	-	-
A7.2.3.13.	Aft section		*						-	-	-	-
A7.2.4.	Open, close, and inspect											
A7.2.4.1.	Doors and hatches	*							2b	-	-	-
A7.2.4.2.	Wing folds								-	-	-	-
A7.2.4.3.	Canopy (U2S/ST)	*							-	-	-	-
A7.2.5.	Remove/inspect/install flight control, landing gear, & throttle system general TR: Applicable –2 series TM											
A7.2.5.1.	Control rods (torque tubes and push pull rods)								-	-	-	-
A7.2.5.2.	Bellcranks and sectors								-	-	-	-
A7.2.5.3.	Pulley assemblies								-	-	-	-
A7.2.5.4.	Fairleads and pressure seals								-	-	-	-
A7.2.5.5.	Control cables								-	-	-	-
A7.2.6.	Perform aircraft inclement weather procedures TR: TM U-2S-2-1								-	-	-	-
A7.2.7.	Supply procedures TR: AFI 21-101 (Ch 3), AFI 23-110, LSP 400-1											
A7.2.7.1.	Interpret aircraft blueprints								2b	A	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A7.2.7.2.	Interpret aperature cards								2b	A	-	-
A7.2.7.3.	Interpret SPAADL								2b	A	-	-
A7.2.7.4.	Interpret factory manuals								-	-	-	-
A7.2.8.	Windscreen and canopy systems TR: TM U-2S-2-2, U-2ST-2											
A7.2.8.1.	Determine damage limitations on transparent panels								-	-	-	-
A7.2.8.2.	Rig and adjust canopy hinge release mechanism								-	-	-	-
A7.2.8.3.	Rig and adjust canopy latch release mechanism								-	-	-	-
A7.2.8.4.	Rig and adjust canopy jettison pivot release mechanism								-	-	-	-
A7.2.9.5.	Remove/inspect/install U-2S windscreen assembly								-	-	-	-
A7.2.9.6.	Remove/inspect/install U-2ST aft windscreen assembly								-	-	-	-
A7.2.9.7.	Remove/inspect/install canopy								-	-	-	-
A7.3.	**LANDING GEAR SYSTEMS TR: TM U-2S-2-1, U-2S-2-3, RL 114, MM 1567**											
A7.3.1.	Landing gear components and system operation								A	A	-	-
A7.3.2.	Operate landing gear											
A7.3.2.1.	Position A (Ground)								-	-	-	-
A7.3.2.2.	Position B (Cockpit)								-	-	-	-
A7.3.2.3.	Perform normal landing gear operational check								-	-	-	-
A7.3.2.4.	Perform emergency manual landing gear operational check								-	-	-	-
A7.3.2.5.	Perform tail landing gear steering operational check								-	-	-	-
A7.2.3.6.	Connect tail landing gear scissor								-	-	-	-
A7.3.3.	Service											
A7.3.3.1.	Landing gear struts	*							-	-	-	-
A7.3.3.2.	Tires TR: U-2S-2-1	*							2b	-	-	-
A7.3.4.	Remove/inspect/install											
A7.3.4.1.	Wheel and tire assemblies											

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A7.3.4.1.1.	Main landing gear	*							2b	-	-	-
A7.3.4.1.2.	Tail landing gear	*							2b	-	-	-
A7.3.4.2.	Main landing gear shock strut								-	-	-	-
A7.3.4.3.	Main landing gear doors								-	-	-	-
A7.3.4.4.	Main landing gear drag strut								-	-	-	-
A7.3.4.5.	Main landing gear uplock assembly								-	-	-	-
A7.3.4.6.	Tail landing gear shock strut								-	-	-	-
A7.3.4.7.	Tail landing gear doors								-	-	-	-
A7.3.4.8.	Tail landing gear actuator								-	-	-	-
A7.3.4.9.	Tail landing gear drag rod and retracting crank								-	-	-	-
A7.3.4.10.	Tail landing gear axle								-	-	-	-
A7.3.4.11.	Brake assemblies								-	-	-	-
A7.3.4.12.	Pogos	*							3c	-	-	-
A7.3.4.13.	Wing tip skid pad								-	-	-	-
A7.3.4.14	Main landing gear actuator								-	-	-	-
A7.3.5.	Repack											
A7.3.5.1.	Main landing gear shock strut								-	-	-	-
A7.3.5.2.	Tail landing gear shock strut								-	-	-	-
A7.3.6.	Bleed brake system								-	-	-	-
A7.3.7.	Determine serviceability of aircraft tires TR: TO 4T-1-3; TM U-2S-2-3								2b	-	-	-
A7.3.8.	Rig and adjust											
A7.3.8.1.	Main landing gear actuator								-	-	-	-
A7.3.8.2.	Tail landing gear actuator								-	-	-	-
A7.3.8.3.	Emergency/manual landing gear release system								-	-	-	-
A7.3.8.4.	Main landing gear doors								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A7.3.8.5.	Tail landing gear steering system								-	-	-	-
A7.3.8.6.	Tail landing gear doors								-	-	-	-
A7.3.9.	Landing gear troubleshooting								-	-	-	-
A7.4.	**UTILITY SYSTEMS TR: U-2S-2-6, U-2S-2-4**											
A7.4.1.	Utility components and system operation								A	A	-	-
A7.4.2.	Operate											
A7.4.2.1.	Accelerometer								-	-	-	-
A7.4.2.2.	Bleed air system								-	-	-	-
A7.4.2.3.	Air conditioning system								-	-	-	-
A7.4.2.4.	Defog system								-	-	-	-
A7.4.2.5.	Fire and overheat warning system								-	-	-	-
A7.4.2.6.	Oxygen system								-	-	-	-
A7.4.3.	Inspect											
A7.4.3.1.	Bleed air system								-	-	-	-
A7.4.3.2.	Air conditioning system								-	-	-	-
A7.4.3.3.	Canopy and hatch seal system								-	-	-	-
A7.4.3.4.	Defog system								-	-	-	-
A7.4.3.5.	Fire and overheat warning system								-	-	-	-
A7.4.3.6.	Oxygen system								-	-	-	-
A7.4.3.7.	Nitrogen system								-	-	-	-
A7.4.3.8.	Pressurization system								-	-	-	-
A7.4.3.9.	Accelerometer								-	-	-	-
A7.4.4.	Troubleshoot											
A7.4.4.1.	Bleed air system								-	-	-	-
A7.4.4.2.	Air conditioning system								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A7.4.4.3.	Canopy hatch and seal system								-	-	-	-
A7.4.4.4.	Defog system								-	-	-	-
A7.4.4.5.	Fire and overheat warning system								-	-	-	-
A7.4.4.6.	Oxygen system								-	-	-	-
A7.4.4.7.	Nitrogen system								-	-	-	-
A7.4.4.8.	Pressurization system								-	-	-	-
A7.4.5.	Oxygen system TR: TO 00-25-172; 15X-1-1; TM U-2S-2-6											
A7.4.5.1.	Service liquid oxygen (LOX)	*							2b	-	-	-
A7.4.5.2.	LOX servicing equipment peruse inspection TR: TOs 37C2-8	*							2b	-	-	-
A7.4.5.3.	Operate LOX servicing equipment TR: TOs 37C2-8	*							2b	-	-	-
A7.4.5.2.	Drain LOX	*							-	-	-	-
A7.4.6.	Nitrogen system TR: TO 00-25-172; TM U-2S-2-6											
A7.4.6.1.	Service canopy and hatch seal system	*							2b	-	-	-
A7.4.6.2.	Operate canopy and hatch seal system	*							2b	-	-	-
A7.5.	**FLIGHT CONTROL SYSTEM TR: U-2S-2-2, U-2ST-2**											
A7.5.1.	Flight control components and system operation								A	A	-	-
A7.5.2.	Perform operational checks											
A7.5.2.1.	Primary flight controls											
A7.5.2.1.1.	Rudder control system								-	-	-	-
A7.5.2.1.2.	Elevator control system								-	-	-	-
A7.5.2.1.3.	Aileron control system								-	-	-	-
A7.5.2.2.	Secondary flight controls											
A7.5.2.2.1.	Horizontal stabilizer control system								-	-	-	-
A7.5.2.2.2.	Speed brake control system								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A7.5.2.2.3. Wing flap control system								-	-	-	-
A7.5.2.2.4. Roll spoiler control system								-	-	-	-
A7.5.2.2.5. Lift spoiler control system								-	-	-	-
A7.5.2.2.6. Emergency lift spoiler system								-	-	-	-
A7.5.2.2.7. Stall strip system								-	-	-	-
A7.5.3. Remove/inspect/install components											
A7.5.3.1. Primary flight controls											
A7.5.3.1.1. Rudder control surface								-	-	-	-
A7.5.3.1.2. Elevator control surface								-	-	-	-
A7.5.3.1.3. Elevator control servo tab								-	-	-	-
A7.5.3.1.4. Aileron control surface								-	-	-	-
A7.5.3.1.5. Aileron control tab								-	-	-	-
A7.5.3.1.6. Aileron shifter actuator								-	-	-	-
A7.5.3.1.7. Aileron trim tab actuator								-	-	-	-
A7.5.3.2. Secondary flight controls											
A7.5.3.2.1. Speed brake surface								-	-	-	-
A7.5.3.2.2. Wing flap control surface								-	-	-	-
A7.5.3.2.3. Wing flap jack screw actuator								-	-	-	-
A7.5.3.2.4. Wing flap drive gear box								-	-	-	-
A7.5.3.2.5. Wing flap synchronizer shaft								-	-	-	-
A7.5.3.2.6. Fixed flap surface								-	-	-	-
A7.5.3.2.7. Roll spoiler control surface								-	-	-	-
A7.5.3.2.8. Roll spoiler actuators								-	-	-	-
A7.5.3.2.9. Lift spoiler surface								-	-	-	-
A7.5.3.2.10. Lift spoiler actuators								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A7.5.3.2.11. Speed brake actuators								-	-	-	-
A7.5.3.2.12. Horizontal stabilizer trim actuator								-	-	-	-
A7.5.3.2.13. Stall strip blade assembly								-	-	-	-
A7.5.3.2.14. Stall strip control handle								-	-	-	-
A7.5.4. Rig and adjust											
A7.5.4.1. Primary flight controls											
A7.5.4.1.1. U-2S rudder system								-	-	-	-
A7.5.4.1.2. U-2ST rudder system								-	-	-	-
A7.5.4.1.3. U-2S elevator system								-	-	-	-
A7.5.4.1.4. U-2ST elevator system								-	-	-	-
A7.5.4.1.5. U-2S aileron system								-	-	-	-
A7.5.4.1.6. U-2ST aileron system								-	-	-	-
A7.5.4.1.7. Open/close rudder speed rig								-	-	-	-
A7.5.4.1.8. Untwist rudder cables								-	-	-	-
A7.5.4.2. Secondary flight controls											
A7.5.4.2.1. Speed brakes								-	-	-	-
A7.5.4.2.2. Wing flap control system								-	-	-	-
A7.5.4.2.3. Roll spoilers								-	-	-	-
A7.5.4.2.4. Lift spoilers								-	-	-	-
A7.5.4.2.5. Horizontal stabilizer trim actuator rod end play check								-	-	-	-
A7.5.4.2.6. U-2S stall strip system								-	-	-	-
A7.5.4.2.7. U-2ST stall strip system								-	-	-	-
A7.5.4.2.8. Wing flap actuator rod end play check								-	-	-	-
A7.5.5. Assemble/ disassemble/lube stall strip blade assembly								-	-	-	-
A7.5.6. Connect and disconnect flap control surface								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A7.5.7.	Lubricate flight controls								-	-	-	-
A7.5.8.	Troubleshoot flight controls								-	-	-	-
A7.6.	**HYDRAULIC SYSTEMS TR: TM U-2S-2-1; U-2S-2-3**											
A7.6.1.	Hydraulic components and system operation								A	A	-	-
A7.6.2.	Service											
A7.6.2.1.	Reservoir	*							2b	-	-	-
A7.6.2.2.	Accumulators	*							2b	-	-	-
A7.6.3.	Operate hydraulic system with											
A7.6.3.1.	Airframe Mounted Accessory Drive (AMAD)								-	-	-	-
A7.6.3.2.	Hydraulic test stand	*							-	-	-	-
A7.6.3.3.	Engine run								-	-	-	-
A7.6.4.	Remove/inspect/install hydraulic components											
A7.6.4.1.	Actuators								-	-	-	-
A7.6.4.2.	Accumulators								-	-	-	-
A7.6.4.3.	Lines								-	-	-	-
A7.6.4.4.	Filters (pressure and return)								-	-	-	-
A7.6.4.5.	Swivels								-	-	-	-
A7.6.4.6.	Pumps								-	-	-	-
A7.6.4.7.	Reservoir								-	-	-	-
A7.6.4.8.	Hydraulic/oil cooler								-	-	-	-
A7.6.4.9.	Selector and control valves								-	-	-	-
A7.6.4.10.	Power brake control valve								-	-	-	-
A7.6.4.11.	Restrictors								-	-	-	-
A7.6.4.12.	Check valves								-	-	-	-
A7.6.5.	Remove/inspect/install hydraulic motors											

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A7.6.5.1.	Emergency lift spoiler								-	-	-	-
A7.6.5.2.	Standby AC generator								-	-	-	-
A7.6.5.3.	Flap								-	-	-	-
A7.6.5.4.	Stabilizer Trim								-	-	-	-
A7.6.6.	Fill and bleed											
A7.6.6.1.	Hydraulic pump								-	-	-	-
A7.6.6.2.	Lift/roll spoiler system								-	-	-	-
A7.6.6.3.	Speed brake system								-	-	-	-
A7.6.6.4.	Stabilizer trim system								-	-	-	-
A7.6.6.5.	Flap control system								-	-	-	-
A7.6.6.6.	Emergency lift spoiler auxiliary pump								-	-	-	-
A7.6.6.7.	Landing gear								-	-	-	-
A7.6.6.8.	Hydraulic power system								-	-	-	-
A7.6.6.9.	Standby ACgenerator motor								-	-	-	-
A7.6.7.	Troubleshooting								-	-	-	-
A7.7.	**ENGINES TR: TM U-2S-2-1, -2, -4; AFOSH Std 91-100, 91-66**											
A7.7.1.	Engine components and system operation								A	A	-	-
A7.7.2.	Perform engine operational check								-	-	-	-
A7.7.3.	Operate engine and subsystems								-	-	-	-
A7.7.4.	Troubleshoot engine and subsystems								-	-	-	-
A7.7.5.	Service											
A7.7.5.1.	Oil system	*							2b	-	-	-
A7.7.5.2.	AMAD	*							2b	-	-	-
A7.7.6.	Drain											
A7.7.6.1.	Oil system	*							-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A7.7.6.2.	AMAD	*							-	-	-	-
A7.7.7.	Remove/inspect/install											
A7.7.7.1.	AMAD								-	-	-	-
A7.7.7.2.	AMAD starter								-	-	-	-
A7.7.7.3.	AMAD oil cooler								-	-	-	-
A7.7.7.4.	AMAD magnetic chip detector								-	-	-	-
A7.7.7.5.	Engine								a	-	-	-
A7.7.7.6.	AMAD temp control valve								-	-	-	-
A7.7.7.7.	AMAD oil level sensor								-	-	-	-
A7.7.7.8.	AMAD pressure switch								-	-	-	-
A7.7.7.9.	Engine magnetic chip detector								-	-	-	-
A7.7.7.10.	Engine run screens											
A7.7.8.	Take engine JOAP sample TR: TOs 42B2-1-9, 33-1-37	*							3c	-	-	-
A7.7.9.	Use borescope equipment								-	-	-	-
A7.7.10.	Inspect engine and components TR: TM U-2S-4											
A7.7.10.1.	Inlet cooling doors								-	-	-	-
A7.7.10.2.	Inlet adapter								-	-	-	-
A7.7.10.3.	Inlet Guide Vanes (IGVs)								-	-	-	-
A7.7.10.4.	1st stage compressor stator and rotor blades								-	-	-	-
A7.7.10.5.	Fan discharge temperature sensor								-	-	-	-
A7.7.10.6.	Main engine control								-	-	-	-
A7.7.10.7.	AC/Tachometer generator								-	-	-	-
A7.7.10.8.	Magnetic chip detector								-	-	-	-
A7.7.11.	Blend compressor blades								-	-	-	-
A7.7.12.	Evaluate engine oil leakage								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A7.7.13.	Engine monitoring system											
A7.7.13.1.	Inspect N2 gauge data								-	-	-	-
A7.7.13.2.	Inspect EGT gauge data								-	-	-	-
A7.7.14.	AMAD couple and decouple procedures											
A7.7.14.1.	Perform coupling procedures								-	-	-	-
A7.7.14.2.	Perform decoupling procedures								-	-	-	-
A7.7.15.	Operational check AMAD using ground motoring cart (RG920-1)								-	-	-	-
A7.7.16.	Engine Emergency Start System (ESS)											
A7.7.16.1.	Detect safe and unsafe hydrazine condition								3c	-	-	-
A7.7.16.2.	Service ESS nitrogen bottle								-	-	-	-
A7.7.16.3.	Remove/inspect/install ESS ground safety pin								3c	-	-	-
A7.7.16.4.	Troubleshooting								-	-	-	-
A7.7.17.	Throttle control system											
A7.7.17.1.	Rig and adjust											
A7.7.17.1.1.	U-2S throttle control cable system								-	-	-	-
A7.7.17.1.2.	U-2ST throttle control cable system								-	-	-	-
A7.7.17.2.	Remove/inspect/install											
A7.7.17.2.1.	U-2S throttle quadrant								-	-	-	-
A7.7.17.2.2.	U-2ST forward throttle quadrant								-	-	-	-
A7.7.17.2.3.	U-2ST rear throttle quadrant								-	-	-	-
A7.8.	**AIRCRAFT FUEL SYSTEMS TR: TM U-2S-2-1; U-2S-2-4; U-2S-2-5; TO 00-25-172; TO 1-1-3; Applicable AFOSH Stds.**											
A7.8.1.	Fuel components and system operation								A	A	-	-
A7.8.2.	Operate internal fuel system								3c	-	-	-
A7.8.3.	Refuel and defuel aircraft											

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A7.8.3.1.	Team member	*							3c	-	-	-
A7.8.3.2.	Team supervisor		*						-	-	-	-
A7.8.4.	Prepare acft for fuel cell maintenance								-	-	-	-
A7.8.5.	Inspect fuel system components								-	-	-	-
A7.8.6.	Set electronic fuel counter								3c	-	-	-
A7.8.7.	Perform fuel boost pump operational and leak check								2b	-	-	-
A7.9.	**ELECTRICAL SYSTEM TR: TM U-2S-2-8**											
A7.9.1.	Electrical system components and system operation								A	A	-	-
A7.9.2.	Connect, apply, and disconnect external electrical power	*							3c	-	-	-
A7.9.3.	Operate (with external power)											
A7.9.3.1.	Indicator warning lights								-	-	-	-
A7.9.3.2.	Electrical power supply system								-	-	-	-
A7.9.3.3.	Lighting system (internal and external)								-	-	-	-
A7.9.3.4.	Avionics processor/multifunction displays								3c	-	-	-
A7.9.4.	Remove/inspect/install											
A7.9.4.1.	Light lenses								-	-	-	-
A7.9.4.2.	Lamps and bulbs								-	-	-	-
A7.9.4.3.	Batteries	*							2b	-	-	-
A7.9.5.	Use wiring diagrams								-	-	-	-
A7.9.6.	Inspect											
A7.9.6.1.	Components								-	-	-	-
A7.9.6.2.	Wiring and connectors								-	-	-	-
A7.9.6.3.	Terminal strips								-	-	-	-
A7.9.6.4.	BCCU State of charge								-	-	-	-
A7.9.7.	Troubleshooting								-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A7.10.	**EGRESS SYSTEM TR: TM U-2S-2-1; U-2S-2-2; RQ 201**											
A7.10.1.	Egress components and system operation								A	A	-	-
A7.10.2.	Inspect components and plumbing								-	-	-	-
A7.10.3.	Perform cockpit entry procedures	*							3c	-	-	-
A7.11.	**AEROSPACE GROUND EQUIPMENT TR: TM U-2S-2-1; U-2S-2-2; AFOSH Std 91-100**											
A7.11.1	Hydraulic fluid tester RG10-60 TR: TO 33A2 Series											
A7.11.1.1.	Perform pre-use inspection								2b	-	-	-
A7.11.1.2.	Operate								2b	-	-	-
A7.11.2.	Engine transfer trailer TR: TO 35D3 Series											
A7.11.2.1.	Perform pre-use inspection								-	-	-	-
A7.11.2.2.	Operate								-	-	-	-
A7.11.3.	RG130 fuselage cart TR: TM U-2S-2-1											
A7.11.3.1.	Perform pre-use inspection								-	-	-	-
A7.11.3.2.	Operate								-	-	-	-
A7.11.4.	RG733 aft section cart TR: TM U-2S-2-1, U-2S-2-2											
A7.11.4.1.	Perform pre-use inspection								-	-	-	-
A7.11.4.2.	Operate								-	-	-	-
A7.11.5.	RG16 nose removal dolly TR: TM U-2S-2-2											
A7.11.5.1.	Perform pre-use inspection								2b	-	-	-
A7.11.5.2.	Operate								2b	-	-	-
A7.11.6.	Superpod dollies TR: TM U-2S-2-12 Vol I											
A7.11.6.1.	RG504 fore and aft pod dolly TR: TM U-2S-2-12 Vol I											
A7.11.6.1.1.	Perform pre-use inspection								-	-	-	-
A7.11.6.1.2.	Operate								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A7.11.6.2. RG494 superpod midbody dolly TR: TM U-2S-2-12 Vol I											
A7.11.6.2.1. Perform pre-use inspection								-	-	-	-
A7.116.2..2. Operate								-	-	-	-
A7.11.7. AM32A-86 Generator TR: Applicable TM											
A7.11.7.1. Perform pre-use inspection	*							3c	-	-	-
A7.11.7.2. Operate	*							3c	-	-	-
A7.11.8. AM32A-95 TR: Applicable TM											
A7.11.8.1. Perform pre-use inspection	*							3c	-	-	-
A7.11.8.2. Operate	*							3c	-	-	-
A7.11.9. EPU-G/E shelter power unit TR: 35CL-4-146-1											
A7.11.9.1. Perform pre-use inspection								-	-	-	-
A7.11.9.2. Operate								-	-	-	-
A7.11.10. RG 38 sulky TR: U-2S-2-1											
A7.11.10.1. Perform pre-use inspection								2b	-	-	-
A7.11.10.2. Operate								2b	-	-	-
A7.11.11. RG158-2 emergency towbar TR: U-2S-2-1											
A7.11.11.1. Perform pre-use inspection								-	-	-	-
A7.11.11.2. Operate								-	-	-	-
A7.11.12. RG 290-1 AMAD ground motoring cart TR: U-2S-2-2											
A7.11.12.1. Perform pre-use inspection								-	-	-	-
A7.11.12.2. Operate								-	-	-	-
A7.11.13. RG37 wing support assembly TR: TO 35-1-246WC-1											
A7.11.13.1. Perform pre-use inspection								-	-	-	-
A7.11.13.2. Use								-	-	-	-
A7.11.14. RG305 wing support stand TR: TO 35-1-246WC-1											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A7.11.14.1. Perform pre-use inspection								3c	-	-	-
A7.11.14.2. Use								3c	-	-	-
A7.11.15. RG148 MLG jack assembly											
A7.11.15.1. Perform pre-use inspection								2b	-	-	-
A7.11.15.2. Use								2b	-	-	-
A7.11.16. RG52 Q-bay hoist assembly											
A7.11.16.1. Perform pre-use inspection								2b	-	-	-
A7.11.16.2. Use								2b	-	-	-
A7.11.17. Overhead hoist assembly											
A7.11.17.1. Perform pre-use inspection								-	-	-	-
A7.11.17.2. Use								-	-	-	-
A7.11.18. RG587 Q-bay hatch dolly											
A7.11.18.1. Perform pre-use inspection								-	-	-	-
A7.11.18.2. Use								-	-	-	-
A7.11.19. RG157 cockpit workstand assembly - RG580 service stand (U-2ST)											
A7.11.19.1. Perform pre-use inspection								3c	-	-	-
A7.11.19.2. Use								3c	-	-	-
A7.11.20. Mooring equipment											
A7.11.20.1. Perform pre-use inspection								3c	-	-	-
A7.11.20.2. Use								3c	-	-	-
A7.11.21. RG17 engine runup kit (RG44 deadman, or RG221 spreader bar)											
A7.11.21.1. Perform pre-use inspection								-	-	-	-
A7.11.21.2. Use								-	-	-	-
A7.11.22. RG2069 cooling cart											
A7.11.22.1. Perform pre-use inspection								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	**A**	**B**	**A**	**B**	**C**	**D**	**E**	**A** 3 Skill Level	**B** 5 Skill Level	**C** 7 Skill Level	
	5	**7**	**Tng Start**	**Tng Complete**	**Trainee Initials**	**Trainer Initials**	**Cert Initials**	**(1)** Crse	**(1)** CDC	**(1)** Crse	**(2)** CDC
A7.11.22.2. Use								-	-	-	-
A7.11.23. RG2080 cooling cart								-	-	-	-
A7.11.23.1. Perform pre-use inspection								-	-	-	-
A7.11.23.2. Use								-	-	-	-
A7.11.24. DC Generator Ground Power Unit (DCGPU)											
A7.11.24.1 Perform pre-use inspection	*							3c	-	-	-
A7.11.24.2 Use	*							3c	-	-	-

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		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
NOTE 1: Use this attachment in conjunction with STS 2A3X3 attachment 2.												
NOTE 2: All task/knowledge taught in the initial skills course trained in the resident wartime courses.												
NOTE 3: Items in column 2 marked with an asterisk (*) are the core tasks for either the 5 or 7 skill level and are required for upgrade. Items marked with an (*/R) are not required by AFRC and ANG for upgrade.												
A8.1.	**AIRCRAFT SET-UP AND PACK-OUT PROCEDURES TR: 1Q-1(M)B-2-05 JG series TOs**											
A8.1.1.	Aircraft unpack/set-up	*							-	-	-	-
A8.1.2.	Aircraft packing	*							-	-	-	-
A8.2.	**AIRCRAFT SERVICING TR: 1Q-1(M)B-2-05 JG series TOs**											
A8.2.1.	Aircraft fuel/defuel	*							-	-	-	-
A8.2.2.	Engine oil draining and servicing	*							-	-	-	-
A8.2.3.	Aircraft Coolant System draining and servicing	*							-	-	-	-
A8.2.4.	Aircraft tire servicing	*							-	-	-	-
A8.2.5.	Aircraft battery charging	*							-	-	-	-
A8.2.6.	Aircraft battery reconditioning								-	-	-	-
A8.3.	**AIRCRAFT GENERAL TR: TOs 1Q-1(M)B-2-05 JG series, 1Q-1(M)B-2-72 series, 1Q-1(R)B-2-4**											
A8.3.1.	Remove/Install											
A8.3.1.1.	Aircraft panels	*							-	-	-	-
A8.3.1.2.	Lower engine cowl	*							-	-	-	-
A8.3.1.3.	Hour meter								-	-	-	-
A8.3.2.	Power-up/power-down aircraft	*							-	-	-	-
A8.3.3.	Direct connect to aircraft								-	-	-	-
A8.4.	**AIRCRAFT INSPECTIONS TR: 1Q-1(M)B-6WC series**											
A8.4.1.	Inspection concept and description								-	-	-	-
A8.4.2.	Perform inspections											
A8.4.2.1.	25 Hour engine inspection								-	-	-	-
A8.4.2. 2.	60 Hour engine inspection	*							-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A8.4.2.3.	150 Hour aircraft periodic inspection		*						-	-	-	-
A8.4.2.4.	360 Hour engine inspection		*						-	-	-	-
A8.4.2.5.	720 Hour engine inspection		*						-	-	-	-
A8.4.2.6.	Pre-flight	*							-	-	-	-
A8.4.2.7.	Basic postflight	*							-	-	-	-
A8.4.2.8.	Thru-flight	*							-	-	-	-
A8.4.2.9.	Combined preflight/postflight	*							-	-	-	-
A8.4.2.10.	Compute/verify center of gravity								-	-	-	-
A8.4.2.11.	Hard landing inspection		*						-	-	-	-
A8.4.2.12.	Airframe over "G"/severe turbulence inspection		*						-	-	-	-
A8.4.2.13.	Airframe overspeed inspection		*						-	-	-	-
A8.5.	**GROUND HANDLING TR: 1Q-1(M)B-2-05JG series TOs**											
A8.5.1.	Launch aircraft	*							-	-	-	-
A8.5.2.	Recover aircraft	*							-	-	-	-
A8.5.3.	Tow/Push Aircraft											
A8.5.3.1.	Tow/push team member	*							-	-	-	-
A8.5.3.2.	Tow/push team supervisor		*						-	-	-	-
A8.5.3.3.	Tow vehicle operator								-	-	-	-
A8.5.4.	Aircraft Hoist Procedures											
A8.5.4.1.	Team member	*							-	-	-	-
A8.5.4.2.	Team supervisor		*						-	-	-	-
A8.5.5.	Aircraft safe for maintenance procedures	*							-	-	-	-
A8.6.	**AIRCRAFT ENGINE TR: TOs 1Q-1(M)B-2-53 & -72 series**											
A8.6.1.	Engine components and system operation								-	B	-	-
A8.6.2.	Perform Inspections											

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A8.6.2.1.	Starter/Alternator coupler inspection								-	-	-	-
A8.6.2.2.	Cylinder head and piston inspection								-	-	-	-
A8.6.2.3.	Hand gearbox backlash inspection		*						-	-	-	-
A8.6.2.4.	Gearbox clutch inspection								-	-	-	-
A8.6.2.5.	Engine limitation exceeded inspection								-	-	-	-
A8.6.2.6.	Valve inspection								-	-	-	-
A8.6.3.	Operational Check											
A8.6.3.1.	Engine kill relay test								-	-	-	-
A8.6.3.2.	Engine operational test								-	-	-	-
A8.6.3.3.	Compression check								-	-	-	-
A8.6.3.4.	Engine sensor system tests								-	-	-	-
A8.6.4.	Troubleshoot System											
A8.6.4.1.	Engine operation								-	-	-	-
A8.6.4.2.	Engine sensor system		*						-	-	-	-
A8.6.4.3.	Engine exhaust system		*						-	-	-	-
A8.6.4.4.	Engine induction		*						-	-	-	-
A8.6.5.	Remove/Install Engine											
A8.6.5.1.	Block 5 aircraft	*							-	-	-	-
A8.6.5.2.	Block 10 aircraft	*							-	-	-	-
A8.6.6.	Bulkhead 10 inspection		*									
A8.6.7.	Cylinder head re-torque								-	-	-	-
A8.6.8.	Spark plug removal, inspection, gap and replacement								-	-	-	-
A8.6.9.	Remove/Install/Adjust											
A8.6.9.1	Exhaust manifold								-	-	-	-
A8.6.9.2.	Intake manifold								-	-	-	-
A8.6.9.3.	Starter/Alternator								-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A8.6.9.4.	Starter/Alternator mounting plate adjustment		*						-	-	-	-
A8.6.9.5.	Manifold Charge Temperature (MCT) sensor								-	-	-	-
A8.6.9.6.	Manifold Air Pressure (MAP) sensor								-	-	-	-
A8.6.9.7.	Cylinder Head Temperature (CHT) sensor								-	-	-	-
A8.6.9.8.	Exhaust Gas Temperature (EGT) probe								-	-	-	-
A8.6.9.9.	Miscellaneous engine hardware and tubing								-	-	-	-
A8.6.9.10.	Cylinder head								-	-	-	-
A8.6.9.11.	Cylinder head disassembly and reassembly								-	-	-	-
A8.6.9.12.	Valve								-	-	-	-
A8.6.9.13.	Carburetor								-	-	-	-
A8.6.9.14.	Carburetor rigging								-	-	-	-
A8.6.9.15.	Turbo								-	-	-	-
A8.6.9.16.	Throttle servo								-	-	-	-
A8.6.9.17.	Waste gate servo								-	-	-	-
A8.6.9.18.	Waste gate rigging								-	-	-	-
A8.6.9.19.	Intake/fuel injectors								-	-	-	-
A8.7.	**VARIABLE PITCH PROPELLER SYSTEM TR: 1Q-1(M)B-2-61 series TOs**											
A8.7.1.	Variable pitch propeller components and system operation								-	B	-	-
A8.7.2.	Remove/Install											
A8.7.2.1.	Variable pitch propeller assembly	*							-	-	-	-
A8.7.2.2.	Variable pitch propeller servo								-	-	-	-
A8.7.3.	Variable pitch propeller servo adjustment		*						-	-	-	-
A8.7.4.	Variable pitch propeller tests		*						-	-	-	-
A8.7.5.	Variable pitch propeller quill shaft removal and installation		*						-	-	-	-
A8.7.6.	Troubleshoot Propeller System		*						-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A8.8.	**ENGINE COOLING SYSTEM TR: 1Q-1(M)B-2-72 series TOs**											
A8.8.1.	Components and system operation								-	A	-	B
A8.8.2.	Engine cooling fan and flap test								-	-	-	-
A8.8.3.	Troubleshoot system		*						-	-	-	-
A8.8.4.	Remove/Install											
A8.8.4.	Engine bay cooling fan								-	-	-	-
A8.8.7.	Engine coolant temperature (ECT) sensor								-	-	-	-
A8.8.8.	Engine bay cowl flap servo								-	-	-	-
A8.8.9.	Water pump housing								-	-	-	-
A8.8.10.	Water pump rotary seal and gasket set								-	-	-	-
A8.9.	**AIRCRAFT FUEL SYSTEM TR: 1Q-1-(M)B-2-28 series TOs**											
A8.9.1.	Components and system operation								-	B	-	-
A8.9.2.	Inspect system	*							-	-	-	-
A8.9.3.	Operational Check											
A8.9.3.1.	Fuel level sensor test								-	-	-	-
A8.9.4.2.	Fuel pressure regulator test								-	-	-	-
A8.9.4.3.	Fuel pressure sensor test								-	-	-	-
A8.9.5.	Troubleshoot system		*						-	-	-	-
A8.9.6.	Fuel pressure regulator adjustment								-	-	-	-
A8.9.7.	Remove/Install											
A8.9.7.1.	Fwd and aft fuel level sensors								-	-	-	-
A8.9.7.2.	Fuel feed tray	*							-	-	-	-
A8.9.7.3.	Fuel return tray	*							-	-	-	-
A8.9.7.4.	Forward fuel cell											
A8.9.7.5.	Aft fuel cell											
A8.9.7.6.	Feed tray filter(s)	*							-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A8.9.7.7.	Fuel pressure sensor								-	-	-	-
A8.9.7.8.	Fuel pressure regulator								-	-	-	-
A8.9.7.9.	Fuel pump								-	-	-	-
A8.10.	**ENGINE LUBRICATION SYSTEM TR: 1Q-1(M)B-2-72 series TOs**											
A8.10.1.	Components and system operation								-	B	-	-
A8.10.3.	Inspect system	*							-	-	-	-
A8.10.4.	Perform operational check								-	-	-	-
A8.10.5.	Troubleshoot system		*						-	-	-	-
A8.10.6.	Remove/install											
A8.10.6.1.	Oil tank								-	-	-	-
A8.10.6.2.	Oil cooler/radiator								-	-	-	-
A8.10.6.3.	Oil pressure sensor								-	-	-	-
A8.10.6.4.	Oil temperature sensor								-	-	-	-
A8.10.10.	Oil filter								-	-	-	-
A8.10.11.	Oil pump	*							-	-	-	-
A8.10.12.	Oil level sensor								-	-	-	-
A8.11.	**ENGINE IGNITION SYSTEM TR: 1Q-1(M)B-2-72 series TOs**											
A8.11.1.	Components and system operation								-	A	-	B
A8.11.2.	Inspect system	*							-	-	-	-
A8.11.3.	Perform operational check								-	-	-	-
A8.11.4.	Troubleshoot system								-	-	-	-
A8.11.5.	Remove/install											
A8.11.5.1.	Ignition module and spark plug harness assembly								-	-	-	-
A8.11.5.2.	Ignition relay box								-	-	-	-
A8.11.5.3.	Ignition kill switch								-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A8.12.	**ELECTRICAL POWER AND DISTRIBUTION SYSTEM TR: 1Q-1(M)B-2-24 series TOs**											
A8.12.1.	Components and system operation								-	A	-	B
A8.12.2.	Inspect system	*							-	-	-	-
A8.12.3.	Operational check											
A8.12.3.1.	Ground power test	*							-	-	-	-
A8.12.3.2.	Battery power test								-	-	-	-
A8.12.3.3.	Payload Power Distribution Module (PPDM) test								-	-	-	-
A8.12.3.4.	System temperature test								-	-	-	-
A8.12.4.	Troubleshoot system		*						-	-	-	-
A8.12.5.	Remove/install											
A8.12.5.1.	Power supply								-	-	-	-
A8.12.5.2.	PPDM								-	-	-	-
A8.12.5.3.	Battery								-	-	-	-
A8.12.5.4.	Alternator terminal block								-	-	-	-
A8.12.5.5.	Current sense module								-	-	-	-
A8.12.5.6.	Battery charge/monitor board								-	-	-	-
A8.12.5.7.	Dual attenuator (Block 10 aircraft)		*						-	-	-	-
A8.13.	**FLIGHT CONTROL SYSTEM TR: 1Q-1(M)-2-27 & -57 series TOs**											
A8.13.1.	Components and system operation								-	A	-	B
A8.13.3.	Inspect system	*							-	-	-	-
A8.13.4.	Operational Check											
A8.13.4.1.	Tail plane control test								-	-	-	-
A8.13.4.2.	Aileron control test								-	-	-	-
A8.13.4.3.	Flap control test								-	-	-	-
A8.13.5.	Rig/adjust											

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A8.13.5.1.	Aileron servo								-	-	-	-
A8.13.5.2.	Flap servo								-	-	-	-
A8.13.5.3.	Tail plane servo								-	-	-	-
A8.13.6.	Troubleshoot system								-	-	-	-
A8.13.7.	Remove/install											
A8.13.7.1.	Aileron servo	*							-	-	-	-
A8.13.7.1.	Flap servo	*							-	-	-	-
A8.13.7.2.	Tail plane servo	*							-	-	-	-
A8.13.7.3.	Wing	*							-	-	-	-
A8.13.7.4.	Tail plane	*							-	-	-	-
A8.13.7.5.	Vertical fin	*							-	-	-	-
A8.13.7.6.	Tail plane counterbalance								-	-	-	-
A8.14.	**DE-ICE SYSTEM TR: 1Q-1(R)B-2-3**											
A8.14.1.	Components and system operation								-	-	-	-
A8.14.2.	Tank filling and draining								-	-	-	-
A8.14.3.	Inspect system								-	-	-	-
A8.14.4.	Perform System Tests											
A8.14.4.1.	De-ice pump								-	-	-	-
A8.14.4.2.	Ice detector								-	-	-	-
A8.14.4.3.	Fluid level sensor								-	-	-	-
A8.14.4.4.	De-ice heated alpha probe assembly operational check								-	-	-	-
A8.14.5.	Remove/install											
A8.14.5.1.	De-ice wing								-	-	-	-
A8.14.5.2.	De-ice tail								-	-	-	-
A8.14.5.3.	De-ice vertical stabilizer								-	-	-	-
A8.14.5.4.	Visual ice detector								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A8.14.5.5. Wing proportioning unit								-	-	-	-
A8.14.5.6. Tail proportioning valve								-	-	-	-
A8.14.5.7. Tail lines								-	-	-	-
A8.14.5.8. De-ice controller								-	-	-	-
A8.14.5.9. De-ice pump and tank								-	-	-	-
A8.14.5.10. De-ice tank filter								-	-	-	-
A8.14.5.11. De-ice tank strainer								-	-	-	-
A8.14.5.12. Ice detector								-	-	-	-
A8.14.5.13. De-ice heated alpha probe assembly								-	-	-	-
A8.14.5.14. De-ice nose blanket heater controller assembly								-	-	-	-
A8.15. AIRCRAFT LIGHTING SYSTEM TR: 1Q-1(M)-2-33 series TOs											
A8.15.1. Components and system operation								-	B	-	-
A8.15.2. Operational Check											
A8.15.2.1. Navigation light test								-	-	-	-
A8.14.2.2. Strobe light test								-	-	-	-
A8.15.3. Red warning strobe removal and installation								-	-	-	-
A8.15.4. Red warning strobe operational check								-	-	-	-
A8.15.5. AFT strobe power supply removal and installation								-	-	-	-
A8.15.6. Troubleshoot system		*						-	-	-	-
A8.16. LANDING GEAR SYSTEM TR: 1Q-1(M)B-2-32 series TOs											
A8.16.1. Components and system operation								-	B	-	-
A8.16.2. Operational Check											
A8.16.2.1. Nose wheel steering								-	-	-	-
A8.16.2.2. landing gear								-	-	-	-
A8.16.3. Rig/adjust											
A8.16.3.1. Main landing gear teeter angle		*						-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A8.16.3.2.	Main landing gear toe-in		*						-	-	-	-
A8.16.3.3.	Nose gear steering servo		*						-	-	-	-
A8.16.3.4.	Nose landing gear stop		*						-	-	-	-
A8.16.4.	Troubleshoot System		*						-	-	-	-
A8.16.5.	Remove/install											
A8.16.5.1.	Nose landing gear								-	-	-	-
A8.16.5.2.	Main landing gear								-	-	-	-
A8.16.5.3.	Main landing gear axle assembly								-	-	-	-
A8.16.5.4.	Nose landing gear retract servo								-	-	-	-
A8.16.5.5.	Main landing gear retract servo								-	-	-	-
A8.16.5.6.	Nose landing gear tire								-	-	-	-
A8.16.5.7.	Main landing gear tire								-	-	-	-
A8.16.5.8.	Nose landing gear wheel	*							-	-	-	-
A8.16.5.9.	Main landing gear wheel	*							-	-	-	-
A8.16.5.10.	Nose landing gear shock								-	-	-	-
A8.16.5.11.	Nose wheel steering servo	*							-	-	-	-
A8.16.5.12.	Main landing gear V-block								-	-	-	-
A8.16.6.	Tire build-up/tear-down		*						-	-	-	-
A8.17.	**AIRCRAFT BRAKE SYSTEM TR: 1Q-1(R)B-2-32 series TOs**											
A8.17.1.	Components and system operation								-	B	-	-
A8.17.2.	Operationally check brake system	*							-	-	-	-
A8.17.5.	Troubleshoot system		*						-	-	-	-
A8.17.6.	Brake servo removal and installation	*							-	-	-	-
A8.17.7.	Brake pad removal and installation	*							-	-	-	-
A8.17.8.	Manual brake adjustment	*							-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A8.18.	**SUPPORT EQUIPMENT TR: 1Q-1(R)B-2-4**											
A8.18.1.	Starter/power cart											
A8.18.1.1.	Perform pre-use inspection	*							-	-	-	-
A8.18.1.2.	Operate	*							-	-	-	-
A8.18.2.	Refuel/defuel cart								-	-	-	-
A8.18.2.1.	Perform pre-use inspection								-	-	-	-
A8.18.2.2.	Operate								-	-	-	-
A8.18.3.	Battery Charger											
A8.18.3.1.	Perform pre-use inspection								-	-	-	-
A8.18.3.2.	Operate								-	-	-	-
A8.18.4.	Single bay control station (Half Rack)											
A8.18.4.1.	Perform pre-use inspection	*							-	-	-	-
A8.18.4.2.	Operate	*							-	-	-	-
A8.18.5.	Hoist											
A8.18.5.1.	Perform pre-use inspection	*							-	-	-	-
A8.18.5.2.	Operate	*							-	-	-	-
A8.18.6.	Sorenson power supply											
A8.18.6.1.	Perform pre-use inspection	*							-	-	-	-
A8.18.6.2.	Operate	*							-	-	-	-

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		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
NOTE 1: Use this attachment in conjunction with STS 2A3X3 attachment 2.												
NOTE 2: All task/knowledge taught in the initial skills course trained in the resident wartime courses.												
NOTE 3: Items in column 2 marked with an asterisk (*) are the core tasks for either the 5 or 7 skill level and are required for upgrade. Items marked with an (*/R) are not required by AFRC and ANG for upgrade.												
A9.1	**AIRCRAFT GENERAL TR: Portable Maintenance Aid, APPLICABLE T.O., APPLICABLE AFOSH STDS,**											
A9.1.1 .	Use Portable Maintenance Aid (PMA)	*							2b	B	-	-
A9.1.2.	Use Advanced Diagnostics Interface Tool (ADIT)								-	A	-	B
A9.1.3.	Operate Integrated Maintenance Information System (IMIS)								2b	B	-	-
A9.1.4.	Vehicle Management System (VMS)								A	B	-	-
A9.1.5.	Integrated Vehicle Subsystem Controller (IVSC)								A	B	-	-
A9.1.6.	Avionics components and system operation								A	B	-	-
A9.1.7.	Safe aircraft for maintenance	*							2b	-	-	-
A9.1.8.	Aircraft danger zones								B	-	-	-
A9.1.9.	Aircraft composite & coating hazards								A	B	-	-
A9.1.10.	Engine composite & coating hazards								A	B	-	-
A9.1.11.	Aircraft Wash											
A9.1.11.1.	Prepare aircraft for wash								-	-	-	-
A9.1.11.2.	Wash aircraft								-	-	-	-
A9.1.11.3.	Lubricate aircraft after wash								-	-	-	-
A9.1.12.	Aircraft Communication Equipment											
A9.1.12.1	Operate aircraft interphone system	*							3c	-	-	-
A9.1.12.2.	Operate radio								-	-	-	-
A9.1.12.3	Connect / Disconnect Ground Communications	*							3c	-	-	-
A9.1.13.	Weapons system components								A	B	-	-
A9.1.14.	Egress / Canopy System											

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.1.14.1.	System operation and components								A	B	-	-
A9.1.14.2.	Raise/Lower ejection seat electrically	*							3c	-	-	-
A9.1.14.3.	Open/close canopy electrically	*							3c	-	-	-
A9.1.14.4.	Open/close canopy manually	*							a	-	-	-
A9.1.14.5.	Emergency canopy operation	*							A	-	-	-
A9.1.15.	Fire guard procedures								1b	-	-	-
A9.1.16.	Low observable maintenance requirements								A	B	-	B
A9.1.17.	Identify low observable defects	*							1b	B	-	B
A9.1.18.	Security								A	-	-	-
A9.2	**GROUND HANDLING TR: PMA, APPLICABLE T.O., AFI 11-218**											
A9.2.1	Launch	*							3c	-	-	-
A9.2.2	Recovery	*							3c	-	-	-
A9.2.3	Marshall Aircraft	*							3c	-	-	-
A9.2.4	Measure brake temp with pyrometer								-	-	-	-
A9.2.5	Towing											
A9.2.5.1	Team Member	*							1b	-	-	-
A9.2.5.2	Brake Rider	*							1b	-	-	-
A9.2.5.3	Team Supervisor		*						-	-	-	-
A9.2.5.4	Vehicle Operator								-	-	-	-
A9.2.5.5	Emergency Towing/Winching								-	-	-	-
A9.2.6	Moor aircraft								-	-	-	-
A9.2.7	Winch aircraft into hardened shelter								-	-	-	-
A9.2.8	Jack and level aircraft											
A9.2.8.1	Tripod Jacking Team Member (Raise/Lower)	*							2b	-	-	-
A9.2.8.2	Tripod Jacking Team Supervisor (Raise/Lower)		*						-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.2.8.3	Axle Jack Main Landing Gear (MLG) (Raise/Lower)	*							2b	-	-	-
A9.2.8.4	Axle Jack Nose Landing Gear (NLG) (Raise/Lower)	*							2b	-	-	-
A9.2.8.5	Level aircraft								-	-	-	-
A9.2.9	Apply/remove											
A9.2.9.1	External electrical power	*							3c	-	-	-
A9.2.9.2	External cooling air	*							3c	-	-	-
A9.2.9.3	External Polyalphaolefin (PAO)	*							3c	-	-	-
A9.2.9.4	External Hydraulic	*							3c	-	-	-
A9.2.9.5	External Bleed Air	*							3c	-	-	-
A9.3	**AIRCRAFT INSPECTIONS TR: PMA, APPLICABLE T.O., APPLICABLE -6 TOs**											
A9.3.1	Inspection concept								A	B	-	-
A9.3.2	Perform inspections											
A9.3.2.1	Preflight (PR)	*							1b	-	-	-
A9.3.2.2	Thru-flight (TH)	*							1b	-	-	-
A9.3.2.3	Basic postflight (BPO)	*							1b	-	-	-
A9.3.2.4	Combined BPO / PR	*							2b	-	-	-
A9.3.2.5	Alert launch								-	-	-	-
A9.3.2.6	End of runway	*							-	-	-	-
A9.3.2.7	Quick-turn								-	-	-	-
A9.3.2.8	Concurrent Servicing Operation (CSO)								-	-	-	-
A9.3.2.9	Perform Special Occurrence Inspections								-	-	-	-
A9.3.2.9.1	Engine Inlet / Exhaust Inspection		*						1b	-	-	-
A9.3.2.9.2	Time replacement item								-	-	-	-
A9.3.2.9.3	Acceptance/Transfer Inspection								-	-	-	-
A9.3.2.9.4	Engine Bay	*							-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.3.2.9.5	Over-G (Structural Overload)								-	-	-	-
A9.3.2.9.6	Lightning strike								-	-	-	-
A9.3.2.9.7	Hard Landing								-	-	-	-
A9.3.2.9.8	Overweight Landing								-	-	-	-
A9.3.2.9.9	Landing Gear/Door Overspeed								-	-	-	-
A9.3.2.9.10	Rejected Takeoff								-	-	-	-
A9.3.2.9.11	Arresting Gear Post Engagement								-	-	-	-
A9.4	**AIRFRAME**											
A9.4.1	Airframe structure								-	-	-	-
A9.4.2	Pick & Pull Panel Gap Fill								-	-	-	-
A9.4.3	Remove/inspect/install											
A9.4.3.1	Actuated panels and doors	*							2b	-	-	-
A9.4.3.2	Panel, door & louver seals								-	-	-	-
A9.4.3.3	Screens								-	-	-	-
A9.4.3.4	Non-actuated panels / doors	*							2b	-	-	-
A9.4.3.5	Fuselage skin/fairings								-	-	-	-
A9.4.3.6	Forward fuselage chine								-	-	-	-
A9.4.3.7	Diverter lip								-	-	-	-
A9.4.3.8	Pylon forward thrust ring								-	-	-	-
A9.4.3.9	Pylon uplock bearing assy								-	-	-	-
A9.4.3.10	Pylon aft pivot hook								-	-	-	-
A9.4.3.11	External fuel tanks								-	-	-	-
A9.4.3.12	Click bond nutplates								-	-	-	-
A9.4.3.13	Keelson/Keel Aircraft Mounted Nozzle Seal (AMNS)	*							-	-	-	-
A9.4.3.14	AMNS liners								-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.4.3.15	Keel AMNS fitting & bracket								-	-	-	-
A9.4.3.16	Dropout links								-	-	-	-
A9.4.3.17	Longitudinal seals								-	-	-	-
A9.4.3.18	Lower/raise transverse fairings								-	-	-	-
A9.4.3.19	Arresting gear fairing door								-	-	-	-
A9.4.3.20	Aft boom trailing edge								-	-	-	-
A9.4.3.21	Vertical stabilizer								-	-	-	-
A9.4.3.22	Wing Stub Leading Edge								-	-	-	-
A9.4.3.23	Wing Tip Assy								-	-	-	-
A9.5	**COCKPIT TR: PMA, Applicable TO**											
A9.5.1	Remove/inspect/install											
A9.5.1.1	Canopy hinge								-	-	-	-
A9.5.1.2	Canopy hatch receptacles								-	-	-	-
A9.5.1.3	Canopy guide fairings								-	-	-	-
A9.5.1.4	Rubber strip								-	-	-	-
A9.5.1.5	Ground manual input assy								-	-	-	-
A9.5.1.6	Canopy control switch								-	-	-	-
A9.5.1.7	Ground crew flexible cable								-	-	-	-
A9.5.1.8	Canopy secondary lock assy								-	-	-	-
A9.5.1.9	Console access panels								-	-	-	-
A9.5.1.10	Cockpit Console Support Panels								-	-	-	-
A9.5.1.11	Console Stowage Compartment/Case								-	-	-	-
A9.5.1.12	Heel Rest								-	-	-	-
A9.5.1.13	Arm Rest								-	-	-	-
A9.5.1.14	Kick Shield								-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.5.2	Drain Cockpit								-	-	-	-
A9.6	**AIRCRAFT SERVICING TR: PMA, APPLICABLE T.O.**											
A9.6.1	Fuel											
A9.6.1.1	Refuel aircraft											
A9.6.1.1.1	Power off	*							3c	-	-	-
A9.6.1.1.2	Power on								-	-	-	-
A9.6.1.2	Defuel aircraft											
A9.6.1.2.1	Power off	*							-	-	-	-
A9.6.1.2.2	Power on								-	-	-	-
A9.6.1.3	Depuddle aircraft								-	-	-	-
A9.6.1.4	Defuel external tanks								-	-	-	-
A9.6.1.5	Hot pit refueling											
A9.6.1.5.1	Phase I, II, and III								-	-	-	-
A9.6.1.5.2	Team member								-	-	-	-
A9.6.1.5.3	Team supervisor								-	-	-	-
A9.6.2	Engine oil											
A9.6.2.1	Initial service	*							-	-	-	-
A9.6.2.2	Routine service	*							2b	-	-	-
A9.6.2.3	Drain engine oil								-	-	-	-
A9.6.2.4	Sample engine oil, Joint Oil Analysis Program (JOAP)	*							3c	-	-	-
A9.6.3	Auxiliary Power Unit (APU) oil											
A9.6.3.1	Initial service	*							-	-	-	-
A9.6.3.2	Routine service	*							3c	-	-	-
A9.6.3.3	Drain APU oil								-	-	-	-
A9.6.3.4	Sample APU oil (JOAP)								-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.6.4	Airframe Mounted Accessory Drive (AMAD)											
A9.6.4.1	Initial service	*							-	-	-	-
A9.6.4.2	Routine service	*							3c	-	-	-
A9.6.4.3	Drain AMAD oil								-	-	-	-
A9.6.4.4	Sample AMAD oil (JOAP)								-	-	-	-
A9.6.5	Hydraulic fluid											
A9.6.5.1	System (filler unit)	*							3c	-	-	-
A9.6.5.2	System (engines operating)	*							2b	-	-	-
A9.6.5.3	System (test stand)	*							2b	-	-	-
A9.6.5.4	Sample hydraulic fluid								-	-	-	-
A9.6.5.5	Depressurize system	*							3c	-	-	-
A9.6.5.6	Hydraulic/pneumatic accumulators								-	-	-	-
A9.6.5.7	Arresting gear damper								-	-	-	-
A9.6.5.8	Landing gear shock strut	*							3c	-	-	-
A9.6.5.9	Service/Inspect Leading Edge Flap Power Drive Unit (PDU) Oil								-	-	-	-
A9.7	**AIRCRAFT SYSTEMS OPERATION TR: PMA, APPLICABLE T.O., AFOSH STDs**											
A9.7.1	Operate APU from PMA	*							2b	-	-	-
A9.7.2	Operate flight controls	*							-	-	-	-
A9.7.3	Open / Close Weapons Bay & Misc doors											
A9.7.3.1	Hydraulically	*							2b	-	-	-
A9.7.3.2	Manually	*							2b	-	-	-
A9.7.4.	Extend / Retract Configurable Rail Launcher (CRL) Trapeze								-	-	-	-
A9.7.5.	Extend / Retract AMRAAM Vertical Ejection Launcher (AVEL) Trapeze								-	-	-	-
A9.7.6.	Open / Close Gun Port / Purge Door								-	-	-	-
A9.7.7.	Raise / Lower Arresting Gear	*							2b	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.7.8.	Open / Close Infrared Countermeasures (IRCM) Doors								-	-	-	-
A9.8	**AIRCRAFT ENGINE OPERATION**											
A9.8.1	Idle Engine Run								-	-	-	-
A9.8.2	Idle Through Afterburner Engine Run								-	-	-	-
A9.8.3	Emergency Procedures								-	-	-	-
A9.8.4	Motor AMAD / Engines								-	-	-	-
A9.8.5	Couple / Decouple AMAD								-	-	-	-
A9.9	**AIRCRAFT SYSTEMS TR: PMA - TOs, APPLICABLE AFOSH STDs**											
A9.9.1	Flight Controls											
A9.9.1.1	Component and system operation								A	B	-	-
A9.9.1.2	Fault Isolation		*						-	-	-	-
A9.9.1.3	Remove/inspect/install											
A9.9.1.3.1	Flaperon								-	-	-	-
A9.9.1.3.2	Aileron								-	-	-	-
A9.9.1.3.3	Flaperon/Aileron Links/Ribs								-	-	-	-
A9.9.1.3.4	Leading Edge Flap (LEF)								-	-	-	-
A9.9.1.3.5	LEF torque shaft								-	-	-	-
A9.9.1.3.6	Asymmetry brakes								-	-	-	-
A9.9.1.3.7	LEF position sensor								-	-	-	-
A9.9.1.3.8	LEF Power Drive Unit (PDU)								-	-	-	-
A9.9.1.3.9	LEF PDU control module								-	-	-	-
A9.9.1.3.10	LEF overtravel stop								-	-	-	-
A9.9.1.3.11	Horizontal stabilizer								-	-	-	-
A9.9.1.3.12	Horizontal Stab Spindle Bearing								-	-	-	-
A9.9.1.3.13	Rudder								-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.9.1.3.14	Engine bypass/bleed doors								-	-	-	-
A9.9.1.3.15.	Perform freeplay check											
A9.9.1.3.16.	Horizontal stab actuator								-	-	-	-
A9.9.1.3.17.	Horizontal stab bearing								-	-	-	-
A9.10.	**FUEL SYSTEMS TR: PMA - APPL TOs**											
A9.10.1.	Components and system operation								A	B	-	-
A9.10.2.	Air Refueling (AR) TR: PMA - Appl TOs											
A9.10.2.1	Component and system operation								A	B	-	-
A9.10.2.2	System inspection								-	-	-	-
A9.10.2.3	In-Flight Refueling Slipway Doors Operation								-	-	-	-
A9.10.2.4	Fault Isolation		*						-	-	-	-
A9.10.3	Remove/inspect/install											
A9.10.3.1	Door Hinges/Mechanism/Shields								-	-	-	-
A9.10.3.2	Door Hinge Pushrods								-	-	-	-
A9.10.3.3	Inflight Refueling Receptacle (IFRR) Top Plate								-	-	-	-
A9.11.	**HYDRAULICS TR: PMA, APPL T.O.**											
A9.11.1	Component and system operation								A	B	-	-
A9.11.2	Fault isolation		*						-	-	-	-
A9.11.3	Drain system								-	-	-	-
A9.11.4	Perform hydraulic system operation											
A9.11.4.1	Hydraulic system flush								-	-	-	-
A9.11.4.2	Power system Integrated Built-in Test (IBIT)		*						-	-	-	-
A9.11.4.3	Cockpit Flight Control System (FLCS)/Hyd IBIT(Engines Operating)								-	-	-	-
A9.11.4.4	Trim checkout								-	-	-	-
A9.11.4.5	Manual control checkout								-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.11.4.6	Speedbrake checkout								-	-	-	-
A9.11.4.7	Rudder pedal assy checkout								-	-	-	-
A9.11.4.8	Cockpit Hyd IBIT (Engines Operating)								-	-	-	-
A9.11.4.9	FLCS/Hyd IBIT (APU operating)		*						-	-	-	-
A9.11.4.10	Bleed & leak check	*							2b	-	-	-
A9.11.4.11	Recirculation for Hyd Power Systems								-	-	-	-
A9.11.5	Remove/inspect/install											
A9.11.5.1	Lines/hoses								-	-	-	-
A9.11.5.2	Hardware and fittings								-	-	-	-
A9.11.5.3	Reservoir								-	-	-	-
A9.11.5.4	System accumulator								2b	-	-	-
A9.11.5.5	Reservoir accumulator								2b	-	-	-
A9.11.5.6	Pressure filter module								-	-	-	-
A9.11.5.7	Return filter module								-	-	-	-
A9.11.5.8	Pressure/return filter								2b	-	-	-
A9.11.5.9	Rudder servo-actuator								-	-	-	-
A9.11.5.10	Flaperon servo-actuator								-	-	-	-
A9.11.5.11	Aileron servo-actuator								-	-	-	-
A9.11.5.12	Horizontal stabilizer servo-actuator								-	-	-	-
A9.11.5.13	Air inlet bleed actuator								-	-	-	-
A9.11.5.14	Engine driven Hyd pump								-	-	-	-
A9.11.5.15	APU driven Hyd pump								-	-	-	-
A9.11.5.16	Suction manifold								-	-	-	-
A9.11.5.17	Charging manifold								-	-	-	-
A9.11.5.18	Rudder shuttle valve								-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.11.5.19	Maintenance valve								-	-	-	-
A9.11.5.20	Delta-P assembly								-	-	-	-
A9.11.5.21	Isolation valves								-	-	-	-
A9.11.5.22	Switching valve								-	-	-	-
A9.11.5.23	Pump pressurization switches								-	-	-	-
A9.11.5.24	Inlet bypass louver actuator								-	-	-	-
A9.11.5.25	Air refueling door actuator								-	-	-	-
A9.11.5.26	Air refueling control valve								-	-	-	-
A9.11.5.27	Auxiliary Power Unit (APU) inlet/exhaust door actuator								-	-	-	-
A9.11.5.28	APU inlet door emergency actuator								-	-	-	-
A9.12	**ELECTRO/ENVIROMENTAL SYSTEM TR: PMA - APPL TOs**											
A9.12.1	Component and system operation								A	B	-	-
A9.12.2.	PAO system								-	-	-	B
A9.12.3.	Service PAO fluid	*							3c	-	-	-
A9.12.4.	Fault isolation		*						-	-	-	-
A9.12.5.	Perform general bleed & leak check (Engine)								-	-	-	-
A9.12.6.	Perform general bleed & leak check (APU)								-	-	-	-
A9.12.7.	Operate interior lights	*							3c	-	-	-
A9.12.8.	Operate exterior lights (Landing, Taxi, Formation, Anti-Collision, Position, Air Refueling)	*							3c	-	-	-
A9.12.9.	Remove/inspect/install											
A9.12.9.1	Aircraft battery								-	-	-	-
A9.12.9.2	Landing light lamp assembly								2b	-	-	-
A9.11.8.3	Taxi light lamp assembly								2b	-	-	-
A9.11.8.4	Upper wing tip navigation /anti-collision light assembly								-	-	-	-
A9.11.8.5	Lower wing tip navigation / anti-collision light assembly								-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.11.8.6	Forward fuselage formation light assembly								-	-	-	-
A9.11.8.7	Aft vertical stabilizer fuselage formation light assembly								-	-	-	-
A9.11.8.8	Air refueling light assembly								-	-	-	-
A9.11.8.9	Aux generator								-	-	-	-
A9.11.8.10	Main generator								-	-	-	-
A9.11.8.11	Air temperature sensor								-	-	-	-
A9.11.8.12	Air flow control valve								-	-	-	-
A9.11.8.13	Bleed air check valve								-	-	-	-
A9.12	**AUXILIARY POWER SYSTEM (APS) TR: PMA - APPL TOs**											
A9.12.1	Component and system operation								A	B	-	-
A9.12.2	Fault Isolation		*						-	-	-	-
A9.12.3	Perform Auxiliary Power Unit (APU) fuel shutoff valve checkout								-	-	-	-
A9.12.4	Remove/inspect/install											
A9.12.4.1	APU								2b	-	-	-
A9.12.4.2	Exhaust duct								2b	-	-	-
A9.12.4.3	Inlet door								-	-	-	-
A9.12.4.4	Exhaust door								-	-	-	-
A9.12.4.5	Fuel filter element								-	-	-	-
A9.12.4.6	Speed sensor								-	-	-	-
A9.12.4.7	Exhaust Gas Temperature (EGT) sensor								-	-	-	-
A9.12.4.8	Lube filter element								-	-	-	-
A9.12.4.9	Chip collector								2b	-	-	-
A9.12.4.10	Overfill fitting								-	-	-	-
A9.12.4.11	Fuel control unit								-	-	-	-
A9.12.4.12	Exhaust door open switch								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.12.4.13	APS door actuation system actuator position switch (ADAS)								-	-	-	-
A9.12.4.14	Ignition exciter								-	-	-	-
A9.12.4.15	Igniter lead and igniter								2b	-	-	-
A9.12.4.16	Oil level switch								-	-	-	-
A9.12.4.17	Oil bypass switch								-	-	-	-
A9.12.4.18	Low oil pressure sensor								-	-	-	-
A9.12.4.19	APU lube pump								-	-	-	-
A9.12.4.20	Fuel flow control valve								-	-	-	-
A9.12.4.21	Turbine Power Module (TPM)	*							2b	-	-	-
A9.12.4.22	TPM speed sensor								-	-	-	-
A9.12.4.23	TPM combustor temperature sensor								-	-	-	-
A9.12.4.24	TPM igniter lead								-	-	-	-
A9.12.4.25	TPM igniter plug								-	-	-	-
A9.13	**STORED ENERGY SYSTEM (SES) TR: PMA - APPL TOs**											
A9.13.1	Component and system operation								A	B	-	-
A9.13.2	Service Stored Energy System (SES)	*							3c	-	-	-
A9.13.3	Fault Isolation		*						-	-	-	-
A9.13.4	SES fuel bottle service/purge								-	-	-	-
A9.13.5	Remove/inspect/install											
A9.13.5.1	Air bottle assembly								-	-	-	-
A9.13.5.2	Fuel supply bottle								-	-	-	-
A9.13.5.3	Air Recharge System (ARS)	*							-	-	-	B
A9.13.5.4	Air servicing manifold								-	-	-	-
A9.13.5.5	Pressure regulator shutoff valve								-	-	-	-
A9.14	**AIRFRAME MOUNTED ACCESSORY DRIVE (AMAD) TR: PMA - APPL TOs**											

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.14.1	Component and system operation								A	B	-	B
A9.14.2	Fault Isolation		*						-	-	-	-
A9.14.3	Perform AMAD system checkout								-	-	-	-
A9.14.4	Remove/inspect/install											
A9.14.4.1	AMAD								-	-	-	-
A9.14.4.2	Air Turbine Starter (ATS)								-	-	-	-
A9.14.4.3	ATS Control Valve								-	-	-	-
A9.14.4.4	AMAD chip collector	*							3c	-	-	-
A9.14.4.5	AMAD oil filter element								2b	-	-	-
A9.15	**LANDING GEAR SYSTEM TR: PMA - APPL TOs.**											
A9.15.1	Component and system operation								A	B	-	-
A9.15.2	Fault isolation		*						-	-	-	-
A9.15.3	Perform Landing Gear (LDG) system operation											
A9.15.3.1	LDG system checkout								2b	-	-	-
A9.15.3.2	LDG emergency extension system checkout								2b	-	-	-
A9.15.3.3	LDG handle spring tension test								2b	-	-	-
A9.15.3.4	Brake system function checks								2b	-	-	-
A9.15.3.5	Wheel brakes wear check								-	-	-	-
A9.15.3.6	Nose wheel steering system ops check								2b	-	-	-
A9.15.3.7	Lubricate landing gear								-	-	-	-
A9.15.3.8	Inspect MLG brake assembly	*							2b	-	-	-
A9.15.3.9	Bleed MLG brake system		*						2b	-	-	-
A9.15.3.10	Re-configure Brakes (Left / Right)								2b	-	-	-
A9.15.3.11	Repack NLG strut								-	-	-	-
A9.15.3.12	Repack MLG Strut								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.15.3.13	Sample Strut Hyd Fluid								-	-	-	-
A9.15.4	Remove/inspect/install											
A9.15.4.1	LDG selector valve								-	-	-	-
A9.15.4.2	LDG Hyd sequence valve								-	-	-	-
A9.15.4.3	NLG shock strut assembly								-	-	-	-
A9.15.4.4	NLG shock strut piston assembly								-	-	-	-
A9.15.4.5	NLG retract actuator								-	-	-	-
A9.15.4.6	NLG lower torque arm assembly								-	-	-	-
A9.15.4.7	NLG drag brace assembly								-	-	-	-
A9.15.4.8	Nose wheel steering radius rod								-	-	-	-
A9.15.4.9	Nose wheel steering control valve								-	-	-	-
A9.15.4.10	MLG shock strut assembly								-	-	-	-
A9.15.4.11	MLG shock strut piston assembly								-	-	-	-
A9.15.4.12	MLG retract actuator assembly								-	-	-	-
A9.15.4.13	MLG door fwd uplock actuator								-	-	-	-
A9.15.4.14	MLG door aft uplock actuator								-	-	-	-
A9.15.4.15	MLG door retract actuator								2b	-	-	-
A9.15.4.16	MLG Brake Assembly	*							2b	-	-	-
A9.15.4.17	MLG side brace linkage assembly								-	-	-	-
A9.15.4.18	MLG side brace trunion beam								-	-	-	-
A9.15.4.19	Side brace spring assembly								-	-	-	-
A9.15.4.20	Brake control valve								-	-	-	-
A9.15.4.21	Brake control valve backplate assembly								-	-	-	-
A9.15.4.22	Brake control module								-	-	-	-
A9.15.4.23	Remove surge control valve								-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.15.4.24	Nosewheel steering actuator								-	-	-	-
A9.15.4.25	Nosewheel steering damper								-	-	-	-
A9.15.4.26	NLG Wheel & Tire Assembly	*							2b	-	-	-
A9.15.4.27	MLG Wheel & Tire Assembly	*							2b	-	-	-
A9.15.5	Verify Tire Pressure	*							2b	-	-	-
A9.15.6	Service Tire	*							2b	-	-	-
A9.16	**AIRCRAFT ARRESTING GEAR SYSTEM (ARG GR) TR: PMA – APPL TOs**											
A9.16.1	Component and system operation								A	B	-	-
A9.16.2	System inspection								A	-	-	-
A9.16.3	Fault Isolation		*						-	-	-	-
A9.16.4	Perform ARG GR operation test								-	-	-	-
A9.16.5	Perform hook force check								-	-	-	-
A9.16.6	Remove/inspect/install											
A9.16.6.1	Links								-	-	-	-
A9.16.6.2	Drag brace								-	-	-	-
A9.16.6.3	Centering device								-	-	-	-
A9.16.6.4	Shank								-	-	-	-
A9.16.6.5	Hook point								-	-	-	-
A9.16.6.6	Uplock hooks								-	-	-	-
A9.16.6.7	Air regulator								-	-	-	-
A9.16.6.8	Uplock actuator								-	-	-	-
A9.16.6.9	Retract actuator								-	-	-	-
A9.16.6.10	Damper								-	-	-	-
A9.16.6.11	Pneumatic shutoff valve								-	-	-	-
A9.16.6.12	Spring strut assy								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.16.6.13	Rod/arms								-	-	-	-
A9.16.6.14	Switches								-	-	-	-
A9.16.6.15	Transducers								-	-	-	-
A9.17	**AIRCRAFT SYSTEM RIGGING TR: PMA – APPL TOs**											
A9.17.1	Engine bypass louvers								-	-	-	-
A9.17.2	Leading edge flap asymmetry brake								-	-	-	-
A9.17.3	Auto-rig flight control surfaces								-	-	-	-
A9.17.4	Adjust rod ends								-	-	-	-
A9.17.5	Align wing tip position sensor								-	-	-	-
A9.17.6	Adjust APU inlet door								-	-	-	-
A9.17.7	Adjust APU exhaust door								-	-	-	-
A9.17.8	NLG doors								-	-	-	-
A9.17.9	MLG doors								-	-	-	-
A9.17.10	Arresting gear system								-	-	-	-
A9.17.11	Adjust air refueling door pushrods								-	-	-	-
A9.18	**FIRE/OVERHEAT DETECTION SYSTEM TR: PMA - APPL TOs**											
A9.18.1	Component and system operation								A	B	-	-
A9.18.2	System inspection								A	-	-	-
A9.18.3	Fault Isolation								-	-	-	-
A9.18.4	Remove/inspect/install											
A9.18.4.1	Thermal detection units								-	-	-	-
A9.18.4.2	Optical fire sensors								-	-	-	-
A9.18.4.3	Temperature sensors								-	-	-	-
A9.19	**PW100-F119 ENGINE TR: PMA - APPL TOs**											
A9.19.1	Component and system operation								A	B	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.19.2	Fault Isolation		*						-	-	-	-
A9.19.3	Perform Full Authority Digital Engine Control (FADEC) power-on test								-	-	-	-
A9.19.4	Reposition fan trim balance rings								-	-	-	-
A9.19.5	Perform fan trim balance								-	-	-	-
A9.19.6	Load propulsion Operational Flight Program (OFP)								-	-	-	-
A9.19.7	Execute Comprehensive Engine Diagnostics Unit (CEDU) to PMA, PMA to CEDU Data Transfer/Event Clear		*						-	-	-	-
A9.19.8	Use advanced engine fault resolution system (AEFRS)		*						A	B	-	-
A9.19.9	Remove/inspect/install											
A9.19.9.1	Engine		*						-	-	-	-
A9.19.9.2	Engine chip collectors	*							3c	-	-	-
A9.19.9.3	Power take-off shaft								-	-	-	-
A9.19.9.4	Actuator fuel pump								-	-	-	-
A9.19.9.5	Main fuel pump								-	-	-	-
A9.19.9.6	Main fuel pump filter								-	-	-	-
A9.19.9.7	Differential pressure sensors								-	-	-	-
A9.19.9.8	Main fuel throttle valve (MFTV)								2b	-	-	-
A9.19.9.9	MFTV manifold								-	-	-	-
A9.19.9.10	MFTV gas generator throttle valve Electrohydraulic servo valve (EHSV)								-	-	-	-
A9.19.9.11	MFTV bypass regulator EHSV								-	-	-	-
A9.19.9.12	Augmentor fuel control (AFC)								2b	-	-	-
A9.19.9.13	AFC manifold								-	-	-	-
A9.19.9.14	AFC EHSV's								-	-	-	-
A9.19.9.15	AFC linear variable differential transducer (LVDT)								-	-	-	-
A9.19.9.16	Fuel/oil cooler								-	-	-	-
A9.19.9.17	Fuel filter								2b	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.19.9.18	Oil filter								2b	-	-	-
A9.19.9.19	Oil pump								-	-	-	-
A9.19.9.20	Oil lines/drain lines								-	-	-	-
A9.19.9.21	Oil valves /adapters								-	-	-	-
A9.19.9.22	Breather pressurizing valve								-	-	-	-
A9.19.9.23	Oil flow management valve								-	-	-	-
A9.19.9.24	Multi-port service adapter								-	-	-	-
A9.19.9.25	Hoses, Tubes & Manifolds								-	-	-	-
A9.19.9.26	Rotor generator								-	-	-	-
A9.19.9.27	Stator generator								-	-	-	-
A9.19.9.28	Ignition exciter								-	-	-	-
A9.19.9.29	Ignition cables								-	-	-	-
A9.19.9.30	Main spark igniter								-	-	-	-
A9.19.9.31	Augmentor spark igniter								-	-	-	-
A9.19.9.32	CEDU	*							2b	-	-	-
A9.19.9.33	FADEC	*							2b	-	-	-
A9.19.9.34	Modulating Exhaust Cooling (MEC) actuator								2b	-	-	-
A9.19.9.35	Compressor Variable Vane (CVV) actuator								-	-	-	-
A9.19.9.36	Fan Variable Vane (FVV) actuator								-	-	-	-
A9.19.9.37	Anti-ice valve								-	-	-	-
A9.19.9.38	Fuel/air heat exchanger								-	-	-	-
A9.19.9.39	37 degree cone seats								-	-	-	-
A9.19.9.40	Skate assembly								-	-	-	-
A9.19.9.41	Inlet seal								-	-	-	-
A9.19.9.42	Engine nose cone								-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.19.9.43	Turbine exhaust cone								-	-	-	-
A9.19.10	Engine Sensors											
A9.19.10.1	Component and system operation								A	B	-	-
A9.19.10.2	Fault Isolation								-	-	-	-
A9.19.11	Remove/inspect/install											
A9.19.11.1	EHSV								2b	-	-	-
A9.19.11.2	LVDT								2b	-	-	-
A9.19.11.3	Exhaust Gas Temperature (EGT) thermocouple								-	-	-	-
A9.19.11.4	Light-Off Detector (LOD)								-	-	-	-
A9.19.11.5	Total Temperature Probe (Tt2)								-	-	-	-
A9.19.11.6	Total Temperature Probe (Tt3)								-	-	-	-
A9.19.11.7	Remove Tt cables								-	-	-	-
A9.19.11.8	N1 Sensor								-	-	-	-
A9.19.11.9	MFTV N1 overspeed solenoid module								-	-	-	-
A9.19.11.10	MFTV transfer valve solenoid module								-	-	-	-
A9.19.11.11	MFTV gas generator throttle valve LVDT								-	-	-	-
A9.19.11.12	MFTV thermal recirculation throttle valve LVDT								-	-	-	-
A9.19.11.13	MFTV pressure/temperature transducer								-	-	-	-
A9.19.11.14	Engine vibration sensors								2b	-	-	-
A9.19.11.15	Oil debris monitor								-	-	-	-
A9.19.11.16	Oil level sensor								-	-	-	-
A9.19.11.17	Oil filter differential sensor								-	-	-	-
A9.19.11.18	Oil pressure and temperature sensor								-	-	-	-
A9.19.11.19	Fuel filter differential sensor								-	-	-	-
A9.19.11.20	Solenoids								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.19.11.21 Reed Switches								-	-	-	-
A9.19.12 Engine Gearbox Components											
A9.19.12.1 Component and system operation								A	B	-	-
A9.19.12.2 Fault Isolation								-	-	-	-
A9.19.12.3 Remove/inspect/install											
A9.19.12.3.1 Wire harnesses								2b	-	-	-
A9.19.12.3.2 Gearbox seals								-	-	-	-
A9.19.13 Augmentor Nozzle System											
A9.19.13.1 Component and system operation								A	B	-	-
A9.19.13.2 Fault Isolation								-	-	-	-
A9.19.13.3 Remove/inspect/install											
A9.19.13.3.1 Augmentor fuel nozzle								-	-	-	-
A9.19.13.3.2 Flameholder								-	-	-	-
A9.19.13.3.3 Augmentor nozzle module								-	-	-	-
A9.19.13.3.4 Augmentor fuel nozzle igniter								-	-	-	-
A9.19.13.3.5 Air transfer tube assembly								-	-	-	-
A9.19.13.3.6 Air pump assembly								-	-	-	-
A9.19.13.3.7 Sidewall liners								-	-	-	-
A9.19.13.3.8 External segments								-	-	-	-
A9.19.13.3.9 Flaps								-	-	-	-
A9.19.13.3.10 Divergent liner								-	-	-	-
A9.19.13.3.11 Convergent liner								-	-	-	-
A9.19.13.3.12 Divergent actuators								-	-	-	-
A9.19.13.3.13 Convergent actuators								-	-	-	-
A9.19.13.3.14 Divergent segments								-	-	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.19.13.3.15	Convergent segments								-	-	-	-
A9.19.14	Perform											
A9.19.14.1	Rigid Borescope								-	-	-	-
A9.19.14.2	Flex Borescope								-	-	-	-
A9.19.14.3	Fan Blade Blending								-	-	-	-
A9.19.14.4	LO Blending in exhaust section								-	-	-	-
A9.20	**SUPPORT EQUIPMENT TR: PMA - LOCAL MANUALS, APPL AFOSH STDs**											
A9.20.1	F119 engine removal & installation trailer											
A9.20.1.1	Purpose and description								A	B	-	-
A9.20.1.2	Pre-use inspection	*							2b	-	-	-
A9.20.1.3	Use	*							-	-	-	-
A9.20.2	F119 Engine Shipping System (ESS)											
A9.20.2.1	Purpose and description								A	B	-	-
A9.20.2.2	Pre-use inspection	*							2b	-	-	-
A9.20.2.3	Use	*							-	-	-	-
A9.20.3	East-West Crane											
A9.20.3.1	Purpose and description								A	B	-	-
A9.20.3.2	Pre-use inspection	*							2b	-	-	-
A9.20.3.3	Use	*							2b	-	-	-
A9.20.4	SES cart											
A9.20.4.1	Purpose and description								A	B	-	-
A9.20.4.2	Pre-use inspection	*							3c	-	-	-
A9.20.4.3	Use	*							3c	-	-	-
A9.20.5	PAO Cart											
A9.20.5.1	Purpose and Description								A	B	-	-

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.20.5.2	Pre-use inspection	*							3c	-	-	-
A9.20.5.3	Use	*							3c	-	-	-
A9.20.6	Power Converter (F-22A)											
A9.20.6.1	Purpose and description								A	B	-	-
A9.20.6.2	Pre-use inspection	*							3c	-	-	-
A9.20.6.3	Use	*							3c	-	-	-
A9.20.7	Hydraulic Test Stand (F-22A)											
A9.20.8	Purpose and Description								A	B	-	-
A9.20.9	Pre-use inspection	*							3c	-	-	-
A9.20.10	Use	*							3c	-	-	-
A9.21	**ANCILLARY REQUIREMENTS TR: PMA - APPL TOs , LOCAL MANUALS, APPL AFOSH STDs**											
A9.21.1	Perform external fuel tank leak & transfer checks								-	-	-	-
A9.21.2	Download / clear crash survivable memory unit (CSMU)	*							-	-	-	-
A9.21.3	Clean exterior surfaces / coatings								A	-	-	-
A9.21.4	Clean aircraft canopy	*							3c	-	-	-
A9.21.5	De-ice Aircraft								-	-	-	-
A9.21.6	Remove/install travel pods								-	-	-	-
A9.21.7	Manually reposition aircraft								-	-	-	-
A9.21.8	Connect/disconnect engine run holdback tool (restraint)								-	-	-	-
A9.21.9	Open/close main fuel shutoff valve								-	-	-	-
A9.21.10	Connect/disconnect disabled wheel dolly								-	-	-	-
A9.21.11	Aircraft storage								-	-	-	-
A9.21.12	Aircraft shoring								-	-	-	-
A9.21.13	Aircraft parking (normal conditions)								-	-	-	-
A9.21.14	Aircraft parking (abnormal conditions)								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	**A**	**B**	**A**	**B**	**C**	**D**	**E**	**A** 3 Skill Level	**B** 5 Skill Level	**C** 7 Skill Level	
	5	**7**	**Tng Start**	**Tng Complete**	**Trainee Initials**	**Trainer Initials**	**Cert Initials**	**(1)** Crse	**(1)** CDC	**(1)** Crse	**(2)** CDC
A9.21.15 Aircraft chemical decontamination								-	-	-	-
A9.21.16 Aircraft biological decontamination								-	-	-	-

`1. Tasks		4. Proficiency Codes Used To Indicate Training/Information Provided			
Knowledge And Technical References		A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
		(1) Crse	(1) CDC	(1) Crse	(2) CDC
NOTE 1: Columns 2 and 3 are deleted from this STS because all items are SUBJECT KNOWLEDGE LEVEL only and require no certification.					
NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.					
NOTE 3: This attachment is to be used in conjunction with other attachments in applicable CFETPs.					
NOTE 4: Personnel must complete CDC requirements on all MDSs/attachments.					
NOTE 5: This attachment is to be used as a correlation document for the 2AX7X 7-level Aerospace Maintenance Craftsman CDCs.					
AA.1.	MAINTENANCE PHILOSOPHY AND POLICY				
AA.1.1.	Aircraft and Equipment Readiness TR: AFI 21-101 and Repair Enterprise 21 Fact Sheet (https://acc.dau.mil/CommunityBrowser.aspx?id=32781				A
AA.1.2.	Maintenance Concept TR: AFI 21-101 and AFI 21-129				A
AA.1.3.	Reliability and Maintainability (R&M) TR: AFI 21-101, AFI 21-118 and TO 00-35D-54.				A
AA.1.4.	Operating Instructions (OI) TR: AFI 21-101 and AFI 33-360				A
AA.1.5.	Support Agreements (SA) TR: AFI 21-101 and AFI 25-201				A
AA.1.6.	Modification and Configuration Management TR: AFI 21-101				A
AA.1.7.	Maintenance Information Systems (MIS) TR: AFI 21-101, AFI 21-116, AFCSM 21-556 volume 2, and TO 00-20-2				B
AA.1.8.	Maintenance Performance Indicator Metrics and Health of the Fleet TR: AFI 21-101 and AFI 21-103				B
AA.1.9.	Personnel Utilization TR: AFI 21-101				A
AA.1.10.	Maintenance Repair Priorities TR: AFI 21-101				A
AA.1.11.	Minimum Essential System Listing (MESL) TR: AFI 21-101 and AFI 21-103				A
AA.1.12.	Status of Resources and Training System (SORTS), and AEF Reporting Tool (ART) TR: AFI 10-201, AFI 10-244 and https://aefcenter.afpc.randolph.af.mil/				A
AA.1.13.	Historical Aircraft and Equipment Records TR: AFI 21-101 and T.O. 00-20-1				A
AA.1.14.	Maintenance Scheduling Effectiveness TR: AFI 21-101				A
AA.2.	MAINTENANCE ORGANIZATION KEY LEADER RESPONSIBILITIES				
AA.2.1.	Wing Commander (WG/CC) TR: AFI 21-101 and AFI 38-101				A
AA.2.2.	Wing Vice Commander (WG/CV) TR: AFI 21-101 and AFI 38-101				A
AA.2.3.	Maintenance Group Commander (MXG/CC) TR: AFI 21-101 and AFI 38-101				A
AA.2.4.	Maintenance Group Deputy Commander (MXG/CD) TR: AFI 21-101				A
AA.2.5.	MXG Superintendent (SUPT) TR: AFI 21-101				A
AA.2.6.	Squadron Commander (SQ/CC) Responsibilities TR: AFI 21-101				A

`1. Tasks		4. Proficiency Codes Used To Indicate Training/Information Provided			
Knowledge And Technical References		A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
		(1) Crse	(1) CDC	(1) Crse	(2) CDC
AA.2.7.	Operations Officer and Maintenance Superintendent (MX SUPT) Responsibilities TR: AFI 21-101				A
AA.2.8.	Flight Commander/Flight Chief TR: AFI 21-101				A
AA.2.9.	AMU OIC/Superintendent (SUPT) TR: AFI 21-101				A
AA.2.10.	Section NCOIC TR: AFI 21-101				A
AA.2.11.	Production Superintendent (Pro Super) TR: AFI 21-101				A
AA.2.12.	Expediter TR: AFI 21-101				B
AA.3.	FUNCTIONS OF MAINTENANCE OPERATIONS SQUADRON (MOS) TR: AFI 21-101 and AFI 38-101				
AA.3.1.	Maintenance Operations Flight (MOF) TR: AFI 21-101				A
AA.3.2.	Maintenance Training Flight (MTF) TR: AFI 21-101 and AFI 36-2232				A
AA.3.3.	Programs and Resources Flight TR: AFI 21-101				A
AA.3.4.	Quality Assurance (QA) Flight TR: AFI 21-101				A
AA.4.	FUNCTIONS OF AIRCRAFT/HELICOPTER MAINTENANCE SQUADRON (AMXS/HMXS) TR: AFI 21-101 and AFI 38-101				
AA.4.1.	Aircraft Maintenance Unit (AMU) TR: AFI 21-101				A
AA.4.2.	Aircrew and Maintenance Debrief Section TR: AFI 21-101				A
AA.4.3.	Aircraft Section TR: AFI 21-101				A
AA.4.4.	Specialist Section TR: AFI 21-101				A
AA.4.5.	Weapons Section TR: AFI 21-101				A
AA.4.6.	Plans, Scheduling and Documentation Section (PS&D) TR: AFI 21-101				A
AA.4.7.	Support Section TR: AFI 21-101				A
AA.5.	FUNCTIONS OF MAINTENANCE SQUADRON (MXS) TR: AFI 21-101 and AFI 38-101				
AA.5.1.	Accessories Flight TR: AFI 21-101				A
AA.5.2.	Aerospace Ground Equipment (AGE) Flight TR: AFI 21-101				A
AA.5.3.	Armament Flight TR: AFI 21-101				A
AA.5.4.	Avionics Flight TR: AFI 21-101				A
AA.5.5.	Fabrication Flight TR: AFI 21-101				A
AA.5.6.	Maintenance Flight TR: AFI 21-101				A

`1. Tasks		4. Proficiency Codes Used To Indicate Training/Information Provided			
Knowledge And Technical References		**A** 3-Skill Level	**B** 5-Skill Level	**C** 7-Skill Level	
		(1) Crse	**(1)** CDC	**(1)** Crse	**(2)** CDC
AA.5.7.	Munitions Flight TR: AFI 21-101 and AFI 21-201				A
AA.5.8.	Propulsion Flight TR: AFI 21-101				A
AA.5.9.	Test, Measurement, and Diagnostic Equipment (TMDE) Flight TR: AFI 21-101				A
AA.6.	AIR FORCE MATERIEL COMMAND RESPONSIBILITIES				
AA.6.1.	Air Logistics Centers (ALC) TR: AFMCMD (Mission Directives) 406, 407 and 410. Located at: https://www.afmc-mil.wpafb.af.mil/pdl/afmc/md.htm , OO-ALC Brochure located at: http://www.hill.af.mil/main/index.html , WR-ALC: http://www.robins.af.mil/units/402mw.asp and OC-ALC: http://www.tinker.af.mil/units/				A
AA.6.2.	Air Force Flight Test Center TR: AFMCMD 404 located at https://www.afmc-mil.wpafb.af.mil/pdl/afmc/md.htm and Flight Test Center Fact Sheet locate at: http://www.edwards.af.mil/library/factsheets/factsheet_print.asp?fsID=6573&page=1				A
AA.6.3.	Aerospace Maintenance and Regeneration Center (AMARC) TR: AFMCMD 415 located at: https://www.afmc-mil.wpafb.af.mil/pdl/afmc/md.htm and http://www.dm.af.mil/units/amarc.asp				A
AA.7.	MAINTENANCE TRAINING				
AA.7.1	Types of Training TR: AFI 36-2232 and the ETCA site located at: https://etca.randolph.af.mil/				A
AA.7.2.	Training Documentation TR: AFI 36-2232, AFI 21-101, and AFI 36-2201 (Vol. 1-6)				A
AA.7.3.	Special Certification Rosters TR: AFI 21-101				A
AA.7.4.	Maintenance Qualification Program (MQP) TR: AFI 36-2232, AFI 21-101 and AFPD 10-9.				A
AA.7.5.	Training Forecast / Request TR: AFI 36-2232 and AFI 21-101				A
AA.7.6.	Training Development Process TR: AFI 36-2232, AFI 21-101, and AETCI 36-2601				A
AA.8.	PERSONNEL RESOURCE MANAGEMENT				
AA.8.1.	Capability Based Manpower Standard and Logistics Composite Model (LCOM) TR: AFMAN 38-208 Volume 3, AFI 38-201, AFI 21-101 and AFTTP 3-21.1				A
AA.8.2.	Unit Manpower Document (UMD) and Unit Personnel Manpower Roster (UPMR) TR: AFI 38-201, AFTTP 3-21.1 and AFI 36-2110				A
AA.9.	MAINTENANCE SUPPLY				
AA.9.1.	Logistics Readiness Squadron (LRS) Supply Support TR: AFI 21-101, AFMAN 23-110 (vol. 1), and AFTTP 3-21.1				A
AA.9.2.	Readiness Spares Packages TR: AFMAN 23-110 , AFI 21-101 and AFTTP 3-21.1				A
AA.9.3.	Consumables Management TR: AFI 21-101, AFTTP 3-21.1 and AFMAN 23-110				A
AA.9.4.	Equipment Items TR: AFI 21-101, AFMAN 23-110 and AFMAN 23-220				A
AA.9.5.	Special Purpose Recoverable Authorized Maintenance (SPRAM) Assets TR: AFI 21-101, AFMAN 23-110 and AFI 21-103				A

`1. Tasks	4. Proficiency Codes Used To Indicate Training/Information Provided			
Knowledge And Technical References	**A** 3-Skill Level	**B** 5-Skill Level	**C** 7-Skill Level	
	(1) Crse	**(1)** CDC	**(1)** Crse	**(2)** CDC
AA.9.6. Supply Assets Requiring Functional Check, Calibration, or Operational Flight Programming TR: AFI 21-101, T.O. 00-20-3, and AFMAN 23-110				A
AA.9.7. Precious Metals Recovery Program TR: AFMAN 23-110 and AFI 21-101				A
AA.9.8. Supply Points TR: AFI 21-101 and AFMAN 23-110				A
AA.9.9. Local Manufacture TR: AFI 21-101 and AFTTP 3-21.1				A
AA.9.10. Repair Cycle Assets / Supply Management Products TR: AFI 23-110 and AFI 21-101				A
AA.9.11. Tail Number Bins (TNB) TR: AFI 21-101				A
AA.9.12. Maintenance Repair / Supply Delivery Priorities TR: AFI 21-101 and AFMAN 23-110				A
AA.9.13. Classified Assets TR: AFJI 31-102, TO 00-20-1, and AFI 21-101				A
AA.9.14. Hazardous Materials TR: AFI 90-821, AFI 32-7086, and AFI 21-101				A
AA.9.15. Supply Deficiency and Discrepancy Reporting TR: TO 00-35D-54, AFMAN 23-110 and AFI 21-101				B
AA.10. TECHNICAL ORDER POLICY				
AA.10.1. Use of Technical Orders (TO), TO Supplements and Publications TR: AFI 21-101, AFI 21-303, and AFTTP 3-21.1				A
AA.10.2. Technical Order Update Process TR: AFI 21-303				A
AA.10.3. Technical Order Waivers TR: AFI 21-303 and AFI 21-101				A
AA.11. MAINTENANCE REQUIREMENTS AND PROGRAMS				
AA.11.1. Cannibalization Program TR: AFI 21-101 and AFTTP 3-21.1				A
AA.11.2. Restricted Maintenance Areas TR: AFI 21-101				A
AA.11.3. Red Ball Maintenance TR: AFI 21-101 and AFTTP 3-21.1				A
AA.11.4. Aircraft/Equipment Impoundment Program TR: AFI 21-101				A
AA.11.5. Maintenance Standardization and Evaluation Program (MSEP) Purpose and Inspection Types TR: AFI 21-101 and AFTTP 3-21.1				B
AA.11.6. Foreign Object Damage (FOD) Program TR: AFI 21-101, AFI 36-2232, and AFTTP 3-21.1				A
AA.11.7. Dropped Object Prevention (DOP) Program TR: AFI 21-101				A
AA.11.8. Tool Management TR: AFI 21-101 and AFTTP 3-21.1				A
AA.11.9. Tool Accountability TR: AFI 21-101 and AFTTP 3-21.1				A
AA.11.9.1. Marking and Tool Identification TR: AFI 21-101				A
AA.11.9.2. Locally Manufactured, Developed, or Modified Tools and Equipment TR: AFI 21-101				A

`1. Tasks		4. Proficiency Codes Used To Indicate Training/Information Provided			
Knowledge And Technical References		**A** 3-Skill Level	**B** 5-Skill Level	**C** 7-Skill Level	
		(1) Crse	**(1)** CDC	**(1)** Crse	**(2)** CDC
AA.11.9.3.	Lost Item/Tool Procedures TR: AFI 21-101				A
AA.11.10.	Maintenance Recovery Team TR: AFI 21-101				A
AA.11.11.	Aging Aircraft / Equipment Issues TR TR: AFI 21-101, AFI 63-1001 and the Joint Council on Aging Aircraft website located at: http://www.acaa.aero/jcaa.html , and SD-22 located at http://www.dau.mil/pubs/Guidebook/DoD%20DMSMS%20Guidebook%2011-01-06.pdf				A
AA.11.12.	Quality Assurance Evaluators TR: AFI 21-101 and AFTTP 3-21.1				A
AA.11.13.	Computer Applications TR: AF Portal, AF E-Publishing site, AF IT E-Learning site, Advanced Distributed Learning Services (ADLS) site, AF Center of Excellence for Knowledge Management (AFKM) site, Defense Travel System (DTS) training site, Air & Space Expeditionary Force Center site and the AF Center for Electronic Distribution of Systems (AFCEDS) site				A
AA.11.14.	Mobility TR: AFTTP 3-21.1				A
AA.11.15.	Crashed, Damaged or Disabled Aircraft Recovery (CDDAR) Program TR: AFI 21-101				A